

PHP code to generate color code

Topics : [PHP Programs](#)

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How to show color code using php?

The color code can be displayed using hex or RGB format.

PHP `str_shuffle()` function is used to shuffle all the characters of a string randomly.

We have used string 'ABCDEF0123456789' in `str_shuffle()` function as argument to get 6 digit hex code combination of number and alphabates.

PHP `substr()` function is used to get 6 digit hex code from shuffled string.

Now this 6 digit hexadecimal code is followed by hash (#) which is used to generate color code.

We can use this hex color code to display color , background color in web pages.

We can convert hex color code to rgb code using below php code.

```
list($r, $g, $b) = sscanf($hexcode, "%02x%02x%02x");
```

PHP Code to generate color code :

```
$color = substr(str_shuffle('ABCDEF0123456789'), 0, 6);
```

```
$hex_colorcode = '#' . $color; //Generate color code in 6 digit hex format.
```

```
list($r, $g, $b) = sscanf($hexcode, "%02x%02x%02x");
```

```
$rgb_colorcode = "rgb($r, $g, $b)"; //Generate color code in RGB format.
```

Also you can use below php function to generate hexdecimals color code.

```
<?php
```

```
function hexColorcode() {  
    $str= 'ABCDEF0123456789';  
    $color_code = '#';  
    for ( $i = 0; $i < 6; $i++ ) {  
        $color_code .= $str[rand(0, strlen($str) - 1)];  
    }  
    return $color_code;  
}
```

```
echo hexColorcode();
```

```
?>
```

Let's see below example to understand how to show color code using php program?

Example :

```
<div style="width:95%;">
<h3>PHP program to show list of HTML Color Codes</h3>
<p><h3>Pick Color with HEX and RGB code </h3></p>
<table width="100%" border="0" cellspacing="1" cellpadding="1">
<tr>
<td width="33%"><strong>Color</strong></td>
<td width="30%"><strong>Hex Code</strong></td>
<td width="30%"><strong>RGB Code</strong></td>
</tr>

<?
$colors = array();
while (true) {
$color = substr(str_shuffle('ABCDEF0123456789'), 0, 6);
$colors[$color] = '#' . $color;
if (count($colors) == 100 ) {

foreach($colors as $key=>$hexcode){
list($r, $g, $b) = sscanf($hexcode, "#%02x%02x%02x");

?>
<tr>
<td height='25' bgcolor='<?=$hexcode; ?>'></td>
<td><?=$hexcode; ?></td>
<td>rgb(<?=$r?>, <?=$g?>, <?=$b?>)</td>
</tr>
<?
}
break;
}
}

?>






















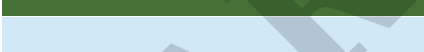









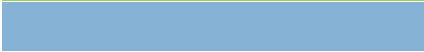



</table>



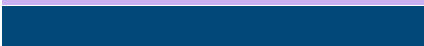



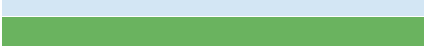








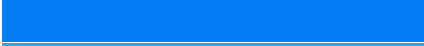




















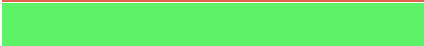



</div>
```



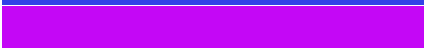
















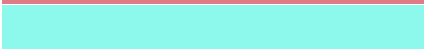





Output :

PHP program to show list of HTML Color Codes

Pick Color with HEX and RGB code

Color	Hex Code	RGB Code
	#7A32C6	rgb(122, 50, 198)
	#3A25B7	rgb(58, 37, 183)
	#A47F86	rgb(164, 127, 134)
	#67D34C	rgb(103, 211, 76)
	#0318A5	rgb(3, 24, 165)
	#9F2E64	rgb(159, 46, 100)
	#46E870	rgb(70, 232, 112)
	#AD8E67	rgb(173, 142, 103)
	#37BC09	rgb(55, 188, 9)
	#24F6E7	rgb(36, 246, 231)
	#7C63F2	rgb(124, 99, 242)
	#65EAFB	rgb(101, 234, 251)
	#7685B0	rgb(118, 133, 176)
	#951037	rgb(149, 16, 55)
	#32159C	rgb(50, 21, 156)
	#BFE495	rgb(191, 228, 149)
	#9CAF53	rgb(156, 175, 83)
	#FE971C	rgb(254, 151, 28)
	#5CD30A	rgb(92, 211, 10)
	#A1EC6D	rgb(161, 236, 109)
	#416A52	rgb(65, 106, 82)
	#457136	rgb(69, 113, 54)
	#D0E8F7	rgb(208, 232, 247)
	#DA9820	rgb(218, 152, 32)
	#BF45C0	rgb(191, 69, 192)
	#6130DF	rgb(97, 48, 223)
	#CF035E	rgb(207, 3, 94)
	#72E0D8	rgb(114, 224, 216)
	#7FDABE	rgb(127, 218, 190)
	#A1D523	rgb(161, 213, 35)
	#F836CD	rgb(248, 54, 205)
	#A0CD58	rgb(160, 205, 88)
	#86B3D5	rgb(134, 179, 213)
	#BA8590	rgb(186, 133, 144)
	#AF4C0D	rgb(175, 76, 13)

	#D071BF	rgb(208, 113, 191)
	#C9B0F1	rgb(201, 176, 241)
	#024879	rgb(2, 72, 121)
	#A1537C	rgb(161, 83, 124)
	#C3A52F	rgb(195, 165, 47)
	#D3E6F4	rgb(211, 230, 244)
	#6AB35F	rgb(106, 179, 95)
	#62A795	rgb(98, 167, 149)
	#BF76D5	rgb(191, 118, 213)
	#40AB65	rgb(64, 171, 101)
	#1D2C6B	rgb(29, 44, 107)
	#7D19BC	rgb(125, 25, 188)
	#B14785	rgb(177, 71, 133)
	#A25639	rgb(162, 86, 57)
	#037CF4	rgb(3, 124, 244)
	#31A4E5	rgb(49, 164, 229)
	#2B85CE	rgb(43, 133, 206)
	#E84CB9	rgb(232, 76, 185)
	#D128F5	rgb(209, 40, 245)
	#9205CF	rgb(146, 5, 207)
	#CBEF93	rgb(203, 239, 147)
	#E81BC0	rgb(232, 27, 192)
	#E035AF	rgb(224, 53, 175)
	#96C3D4	rgb(150, 195, 212)
	#81BE7F	rgb(129, 190, 127)
	#E1ABF6	rgb(225, 171, 246)
	#8B40D5	rgb(139, 64, 213)
	#2BA59D	rgb(43, 165, 157)
	#46B19C	rgb(70, 177, 156)
	#03DFBE	rgb(3, 223, 190)
	#43B15A	rgb(67, 177, 90)
	#470F8C	rgb(71, 15, 140)
	#C52EB6	rgb(197, 46, 182)
	#E06251	rgb(224, 98, 81)
	#5DF267	rgb(93, 242, 103)
	#37B685	rgb(55, 182, 133)
	#8C6132	rgb(140, 97, 50)
	#5C90F1	rgb(92, 144, 241)
	#426C5D	rgb(66, 108, 93)
	#2709C3	rgb(39, 9, 195)

	#391852	rgb(57, 24, 82)
	#3142E7	rgb(49, 66, 231)
	#C407F6	rgb(196, 7, 246)
	#D18C04	rgb(209, 140, 4)
	#A148CD	rgb(161, 72, 205)
	#9C64B8	rgb(156, 100, 184)
	#31AB52	rgb(49, 171, 82)
	#FA5E60	rgb(250, 94, 96)
	#6CF0DE	rgb(108, 240, 222)
	#361D09	rgb(54, 29, 9)
	#E5FD47	rgb(229, 253, 71)
	#87B5F2	rgb(135, 181, 242)
	#3AB8D5	rgb(58, 184, 213)
	#5160E2	rgb(81, 96, 226)
	#8692F4	rgb(134, 146, 244)
	#130FDB	rgb(19, 15, 219)
	#E430A9	rgb(228, 48, 169)
	#DF7A86	rgb(223, 122, 134)
	#8DF9EC	rgb(141, 249, 236)
	#F30D18	rgb(243, 13, 24)
	#527D4A	rgb(82, 125, 74)
	#7E3A24	rgb(126, 58, 36)
	#40319E	rgb(64, 49, 158)
	#961CFB	rgb(150, 28, 251)
	#EA7C34	rgb(234, 124, 52)

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