

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 hexadecimals 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;
}
}

?>

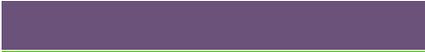
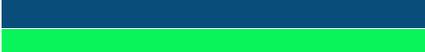
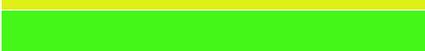
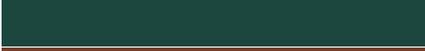
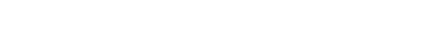
</table>

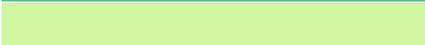
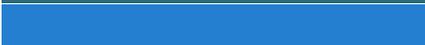
</div>
```

Output :

PHP program to show list of HTML Color Codes

Pick Color with HEX and RGB code

Color	Hex Code	RGB Code
	#D27E8F	rgb(210, 126, 143)
	#6B527A	rgb(107, 82, 122)
	#65D42B	rgb(101, 212, 43)
	#51F87A	rgb(81, 248, 122)
	#58CF96	rgb(88, 207, 150)
	#A21F7B	rgb(162, 31, 123)
	#87C9DE	rgb(135, 201, 222)
	#A38EF2	rgb(163, 142, 242)
	#4CBD12	rgb(76, 189, 18)
	#E256F4	rgb(226, 86, 244)
	#4C85F3	rgb(76, 133, 243)
	#2A6FB8	rgb(42, 111, 184)
	#E0B3FC	rgb(224, 179, 252)
	#B6978D	rgb(182, 151, 141)
	#094E7A	rgb(9, 78, 122)
	#09F45A	rgb(9, 244, 90)
	#7439D6	rgb(116, 57, 214)
	#C7B695	rgb(199, 182, 149)
	#3EB914	rgb(62, 185, 20)
	#E0864A	rgb(224, 134, 74)
	#FC02B3	rgb(252, 2, 179)
	#290CEF	rgb(41, 12, 239)
	#13B764	rgb(19, 183, 100)
	#2BE896	rgb(43, 232, 150)
	#E3B9AF	rgb(227, 185, 175)
	#DEF015	rgb(222, 240, 21)
	#45F718	rgb(69, 247, 24)
	#C53486	rgb(197, 52, 134)
	#2D9C4E	rgb(45, 156, 78)
	#718BC9	rgb(113, 139, 201)
	#C3E851	rgb(195, 232, 81)
	#8920D3	rgb(137, 32, 211)
	#2E0418	rgb(46, 4, 24)
	#1C473E	rgb(28, 71, 62)
	#763F2B	rgb(118, 63, 43)

	#5BC396	rgb(91, 195, 150)
	#D0F5A3	rgb(208, 245, 163)
	#6CB95E	rgb(108, 185, 94)
	#740986	rgb(116, 9, 134)
	#2670C3	rgb(38, 112, 195)
	#6C209A	rgb(108, 32, 154)
	#935C4B	rgb(147, 92, 75)
	#78DEA4	rgb(120, 222, 164)
	#9A57C1	rgb(154, 87, 193)
	#DF14B6	rgb(223, 20, 182)
	#28C961	rgb(40, 201, 97)
	#0924E5	rgb(9, 36, 229)
	#A0C74B	rgb(160, 199, 75)
	#DF8327	rgb(223, 131, 39)
	#7FD956	rgb(127, 217, 86)
	#E632D5	rgb(230, 50, 213)
	#3D9CA1	rgb(61, 156, 161)
	#2A6C78	rgb(42, 108, 120)
	#247FD0	rgb(36, 127, 208)
	#9C68B2	rgb(156, 104, 178)
	#536E21	rgb(83, 110, 33)
	#DBC95A	rgb(219, 201, 90)
	#5670CA	rgb(86, 112, 202)
	#A0739E	rgb(160, 115, 158)
	#DB1E7C	rgb(219, 30, 124)
	#CB895E	rgb(203, 137, 94)
	#3E8091	rgb(62, 128, 145)
	#2FA547	rgb(47, 165, 71)
	#F3E497	rgb(243, 228, 151)
	#9CB408	rgb(156, 180, 8)
	#9F3D15	rgb(159, 61, 21)
	#8D7EF5	rgb(141, 126, 245)
	#50FB21	rgb(80, 251, 33)
	#72805D	rgb(114, 128, 93)
	#0CE59D	rgb(12, 229, 157)
	#753E21	rgb(117, 62, 33)
	#F1D867	rgb(241, 216, 103)
	#3C591D	rgb(60, 89, 29)
	#84A0E2	rgb(132, 160, 226)
	#A7C2F5	rgb(167, 194, 245)

	#83FE16	rgb(131, 254, 22)
	#AD5062	rgb(173, 80, 98)
	#A53427	rgb(165, 52, 39)
	#06C3A5	rgb(6, 195, 165)
	#C37A94	rgb(195, 122, 148)
	#63E7C9	rgb(99, 231, 201)
	#206CFE	rgb(32, 108, 254)
	#F3276A	rgb(243, 39, 106)
	#02648B	rgb(2, 100, 139)
	#1B0FDE	rgb(27, 15, 222)
	#07F368	rgb(7, 243, 104)
	#0A4E38	rgb(10, 78, 56)
	#84B1C9	rgb(132, 177, 201)
	#F78CB1	rgb(247, 140, 177)
	#06D319	rgb(6, 211, 25)
	#A5809E	rgb(165, 128, 158)
	#9B5CA0	rgb(155, 92, 160)
	#E146FA	rgb(225, 70, 250)
	#B68095	rgb(182, 128, 149)
	#089A1B	rgb(8, 154, 27)
	#BEF730	rgb(190, 247, 48)
	#DA2178	rgb(218, 33, 120)
	#81AB72	rgb(129, 171, 114)
	#257D10	rgb(37, 125, 16)
	#156230	rgb(21, 98, 48)

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