

# PHP code to generate color code

Topics : [PHP Programs](#)

Written on [April 19, 2021](#)

## 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>































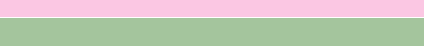





</div>
```





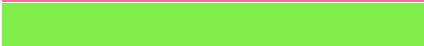




















### Output :

## PHP program to show list of HTML Color Codes

### Pick Color with HEX and RGB code

Color	Hex Code	RGB Code
	#210439	rgb(33, 4, 57)
	#F805AE	rgb(248, 5, 174)
	#52FE14	rgb(82, 254, 20)
	#50FA7B	rgb(80, 250, 123)
	#C6352B	rgb(198, 53, 43)
	#69E0DB	rgb(105, 224, 219)
	#283670	rgb(40, 54, 112)
	#73AFCB	rgb(115, 175, 203)
	#453CE8	rgb(69, 60, 232)
	#6425FE	rgb(100, 37, 254)
	#78AC21	rgb(120, 172, 33)
	#ADEFC5	rgb(173, 239, 197)
	#259EC8	rgb(37, 158, 200)
	#3F98B2	rgb(63, 152, 178)
	#497325	rgb(73, 115, 37)
	#4150B9	rgb(65, 80, 185)
	#21DE7B	rgb(33, 222, 123)
	#1CF20A	rgb(28, 242, 10)
	#AD7018	rgb(173, 112, 24)
	#32687C	rgb(50, 104, 124)
	#AF8543	rgb(175, 133, 67)
	#52637A	rgb(82, 99, 122)
	#30BA91	rgb(48, 186, 145)
	#0795DC	rgb(7, 149, 220)
	#73ED61	rgb(115, 237, 97)
	#519A26	rgb(81, 154, 38)
	#E0218A	rgb(224, 33, 138)
	#043D2F	rgb(4, 61, 47)
	#94E5C6	rgb(148, 229, 198)
	#569CBF	rgb(86, 156, 191)
	#C47E2D	rgb(196, 126, 45)
	#EA3924	rgb(234, 57, 36)
	#4CAB8E	rgb(76, 171, 142)
	#1BF593	rgb(27, 245, 147)
	#D7AF23	rgb(215, 175, 35)

	#61D9C3	rgb(97, 217, 195)
	#FB1263	rgb(251, 18, 99)
	#78C0D9	rgb(120, 192, 217)
	#0F2BA7	rgb(15, 43, 167)
	#54A731	rgb(84, 167, 49)
	#3E549B	rgb(62, 84, 155)
	#0B2E19	rgb(11, 46, 25)
	#7B4F60	rgb(123, 79, 96)
	#1FE056	rgb(31, 224, 86)
	#814760	rgb(129, 71, 96)
	#A5ED70	rgb(165, 237, 112)
	#E69025	rgb(230, 144, 37)
	#9A108C	rgb(154, 16, 140)
	#30F816	rgb(48, 248, 22)
	#DF04B6	rgb(223, 4, 182)
	#7E209B	rgb(126, 32, 155)
	#B4DA75	rgb(180, 218, 117)
	#6BEC24	rgb(107, 236, 36)
	#972C8A	rgb(151, 44, 138)
	#E79D41	rgb(231, 157, 65)
	#AFCED8	rgb(175, 206, 216)
	#541629	rgb(84, 22, 41)
	#294EF3	rgb(41, 78, 243)
	#F9B36A	rgb(249, 179, 106)
	#835D67	rgb(131, 93, 103)
	#21CF05	rgb(33, 207, 5)
	#54D698	rgb(84, 214, 152)
	#4730DA	rgb(71, 48, 218)
	#D15F67	rgb(209, 95, 103)
	#9DB3E7	rgb(157, 179, 231)
	#F50796	rgb(245, 7, 150)
	#DFBA43	rgb(223, 186, 67)
	#FBC7E3	rgb(251, 199, 227)
	#A4C59D	rgb(164, 197, 157)
	#86FA3E	rgb(134, 250, 62)
	#5F4986	rgb(95, 73, 134)
	#4A0B83	rgb(74, 11, 131)
	#16ED04	rgb(22, 237, 4)
	#C7FD51	rgb(199, 253, 81)
	#C56E18	rgb(197, 110, 24)

	#0CE647	rgb(12, 230, 71)
	#D72A36	rgb(215, 42, 54)
	#59F78A	rgb(89, 247, 138)
	#F46CA7	rgb(244, 108, 167)
	#81ED4B	rgb(129, 237, 75)
	#7A23C6	rgb(122, 35, 198)
	#230F6D	rgb(35, 15, 109)
	#672431	rgb(103, 36, 49)
	#16ADB9	rgb(22, 173, 185)
	#7910A4	rgb(121, 16, 164)
	#6972BC	rgb(105, 114, 188)
	#7BA950	rgb(123, 169, 80)
	#F671E0	rgb(246, 113, 224)
	#36DE01	rgb(54, 222, 1)
	#3DA25B	rgb(61, 162, 91)
	#C87A4B	rgb(200, 122, 75)
	#D2385B	rgb(210, 56, 91)
	#75E92A	rgb(117, 233, 42)
	#E61B4A	rgb(230, 27, 74)
	#30CE96	rgb(48, 206, 150)
	#B7145F	rgb(183, 20, 95)
	#E9763B	rgb(233, 118, 59)
	#FC25D4	rgb(252, 37, 212)
	#E280A6	rgb(226, 128, 166)
	#63C18A	rgb(99, 193, 138)

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