

Converting Colors

RGB(48, 240, 129)

Have a look what the booklet for
RGB(48, 240, 129) contains.

RGB(48, 240, 129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(48, 240, 129)

Conversions

Conversions Part 1

Format	Color
Hex	30F081
RGB	48, 240, 129
RGB Percent	19%, 94%, 51%
CMY	0.8118, 0.0588, 0.4941
CMYK	0.80, 0.00, 0.46, 0.06
HSL	145°, 86%, 56%
HSV	145°, 80%, 94%
XYZ	36.3415, 64.5335, 31.3097
YIQ	169.9380, -78.8010, -75.2250

Conversions

Conversions Part 2

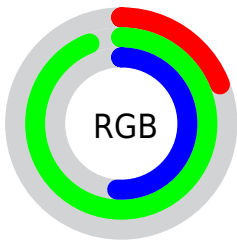
Format	Color
RYB	48, 183, 240
Decimal	3207297
CIELab	84.24, -69.18, 40.82
CIELCh	84, 80.325, 149.454
Yxy	64.5335, 0.2749, 0.4882
Android (android.graphics.Color)	4281397377 (0xFF30F081)
YUV	169.9380, -20.1824, -106.9396
Hunter-Lab	80.3328, -59.8313, 33.1247

Details

The RGB color **48, 240, 129** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **240, 48, 159**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **125, 255, 183**, and **0, 182, 77** is the 20% darker color. If you saturate the color by 10%, you get **24, 240, 115**, and if you desaturate by 10%, it is **72, 240, 143**.

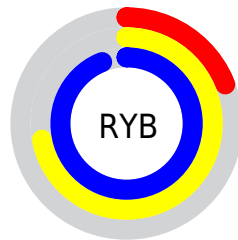
Distribution



Red (19%)

Green (94%)

Blue (51%)



Red (19%)

Yellow (72%)

Blue (94%)

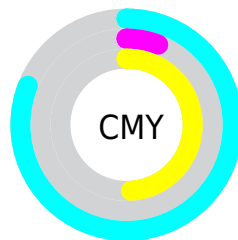


Cyan (80%)

Magenta (0%)

Yellow (46%)

Black (6%)



Cyan (81%)


















Magenta (6%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RGB color 48, 240, 129 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 48, 240, 129 by changing the saturation by 10% instead.

 48, 240, 129	 48, 240, 129
 255, 255, 255	 0, 211, 103
 125, 255, 183	 0, 182, 77
 158, 255, 211	 0, 155, 52
 190, 255, 240	 0, 127, 26
 221, 255, 255	 0, 101, 0
 253, 255, 255	 0, 75, 0
	 0, 51, 0
	 0, 23, 0
	 0, 0, 0

 48, 240, 129

 48, 240, 129

 24, 240, 115

 72, 240, 143

 0, 240, 101

 96, 240, 157

 120, 240, 171

 144, 240, 185

 168, 240, 198

 192, 240, 212

 216, 240, 226

 240, 240, 240

 255, 240, 254

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



174, 227, 64



48, 240, 129



0, 246, 206

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48, 240, 129



0, 219, 255



255, 147, 140

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48, 240, 129



240, 48, 159

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 137, 215



48, 240, 129



207, 191, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48, 240, 129



0, 237, 255



255, 157, 255



255, 177, 77

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48, 240, 129



0, 246, 255



255, 157, 255



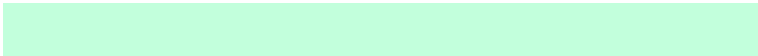
255, 140, 164

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48, 240, 129



194, 255, 220



160, 240, 48



91, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 240, 129



10, 255, 113



48, 240, 224



108, 120, 113



0, 184, 77



0, 56, 24

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



240, 48, 159



255, 10, 152



240, 48, 64



120, 108, 115



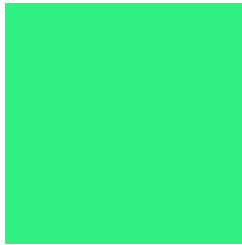
184, 0, 106



56, 0, 32

Previews

White Background



This preview shows how the RGB color 48, 240, 129 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 48, 240, 129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

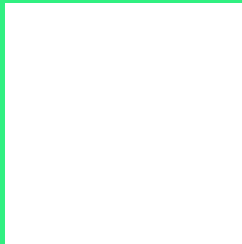
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 48, 240, 129 Background



This preview shows how black text looks on a background with the RGB color 48, 240, 129.

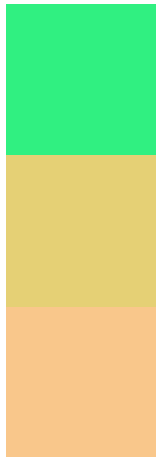


This preview shows how white text looks on a background with the RGB color 48, 240, 129.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
48, 240, 129

Protanopia
229, 208, 117

Deuteranopia
249, 199, 139

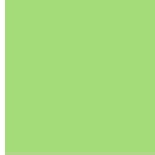


Tritanopia
100, 227, 245

Trichromacy



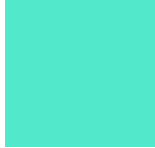
Original Color
48, 240, 129



Protanomaly
163, 220, 121



Deuteranomaly
176, 214, 135



Tritanomaly
81, 232, 203

Monochromacy



Original Color
48, 240, 129



Achromatopsia
170, 170, 170



Achromatomaly
126, 195, 155

CSS Examples

Text

The CSS property to change the color of the text to RGB 48, 240, 129 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(48, 240, 129)` looks like.

```
.text, #text, p{  
    color:rgb(48, 240, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(48, 240, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 240, 129) }
```

Border

The CSS property to change the border of an element to RGB 48, 240, 129 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 240, 129) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(48, 240, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(48, 240, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 240, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 240, 129);  
box-shadow:4px 4px 4px 4px rgb(48, 240,  
129) }
```

Background

The CSS property to change the background color of an element to RGB 48, 240, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 240, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(48, 240,  
129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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