

Converting Colors

RGB(12, 131, 184)

Have a look what the booklet for
RGB(12, 131, 184) contains.

RGB(12, 131, 184)	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(12, 131, 184)

Conversions

Conversions Part 1

Format	Color
Hex	0C83B8
RGB	12, 131, 184
RGB Percent	5%, 51%, 72%
CMY	0.9529, 0.4863, 0.2784
CMYK	0.93, 0.29, 0.00, 0.28
HSL	198°, 88%, 38%
HSV	198°, 93%, 72%
XYZ	16.9196, 19.7715, 48.2719
YIQ	101.4610, -87.9370, -8.7450

Conversions

Conversions Part 2

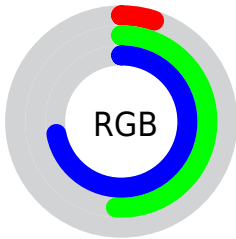
Format	Color
RYB	12, 82, 184
Decimal	820152
CIELab	51.58, -10.02, -35.99
CIELCh	52, 37.356, 254.448
Yxy	19.7715, 0.1991, 0.2327
Android (android.graphics.Color)	4279010232 (0xFF0C83B8)
YUV	101.4610, 40.6917, -78.4573
Hunter-Lab	44.4651, -9.8920, -33.2404

Details

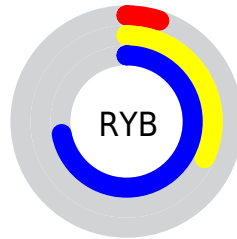
The RGB color **12, 131, 184** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **184, 65, 12**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **96, 184, 240**, and **0, 82, 131** is the 20% darker color. If you saturate the color by 10%, you get **0, 127, 184**, and if you desaturate by 10%, it is **30, 137, 184**.

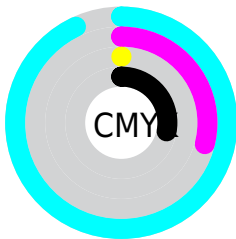
Distribution



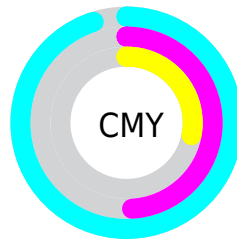
- Red (5%)
- Green (51%)
- Blue (72%)



- Red (5%)
- Yellow (32%)
- Blue (72%)



- Cyan (93%)
- Magenta (29%)
- Yellow (0%)
- Black (28%)





- Cyan (95%)
- Magenta (49%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RGB color 12, 131, 184 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 12, 131, 184 by changing the saturation by 10% instead.

 12, 131, 184

 12, 131, 184

255, 255, 255

 0, 106, 157

 96, 184, 240

 0, 82, 131

 127, 211, 255

 0, 59, 105

 157, 240, 255

 0, 38, 81

 187, 255, 255

 0, 15, 57


 217, 255, 255


 0, 2, 35

 247, 255, 255

 0, 0, 10

 0, 0, 0

 12, 131, 184

 12, 131, 184

■ 0, 127, 184

■ 30, 137, 184

■ 49, 142, 184

■ 67, 148, 184

■ 86, 154, 184

■ 104, 159, 184

■ 122, 165, 184

■ 141, 171, 184

■ 159, 176, 184

■ 178, 182, 184

Harmonies

Analogous

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



0, 137, 167



12, 131, 184



99, 121, 185

Triad

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



12, 131, 184



184, 97, 109



92, 134, 76

Complementary

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



12, 131, 184



184, 65, 12

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.



127, 126, 59



12, 131, 184



177, 104, 80

Square

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



12, 131, 184



174, 99, 141



156, 115, 61



43, 138, 105

Rectangle

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



12, 131, 184



132, 113, 176



156, 115, 61



104, 132, 68

Sweetspot

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



12, 131, 184



173, 219, 240



12, 184, 64



79, 107, 120



247, 247, 247



120, 120, 120

Same Dimension

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



12, 131, 184



0, 166, 240



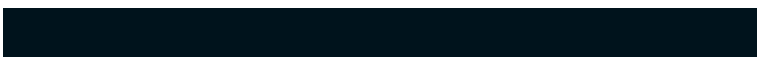
12, 46, 184



83, 89, 92



0, 108, 156



0, 19, 28

Inverse Universe

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



184, 12, 131



240, 0, 166



184, 150, 12



92, 83, 89



156, 0, 108



28, 0, 19

Previews

White Background



This preview shows how the RGB color 12, 131, 184 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12, 131, 184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

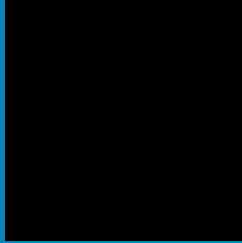
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 12, 131, 184 Background



This preview shows how black text looks on a background with the RGB color 12, 131, 184.

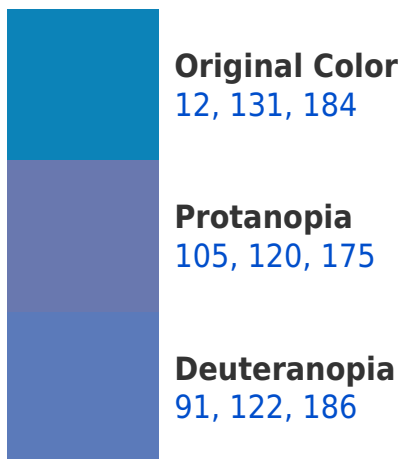


This preview shows how white text looks on a background with the RGB color 12, 131, 184.

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





Tritanopia
0, 136, 146

Trichromacy



Original Color
12, 131, 184

Protanomaly
71, 124, 178

Deuteranomaly
62, 125, 185

Tritanomaly
4, 134, 160

Monochromacy



Original Color
12, 131, 184

Achromatopsia
101, 101, 101

Achromatomaly
69, 112, 131

CSS Examples

Text

The CSS property to change the color of the text to RGB 12, 131, 184 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(12, 131, 184)` looks like.

```
.text, #text, p{  
    color:rgb(12, 131, 184)  
}
```

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(12, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 131, 184) }
```

Border

The CSS property to change the border of an element to RGB 12, 131, 184 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(12, 131, 184) }
```

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

```
.border{ border-color:rgb(12, 131, 184) }
```

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

Here you see how a box with a 4 pixel rgb(12, 131, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 131, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 131, 184);  
box-shadow:4px 4px 4px 4px rgb(12, 131,  
184) }
```

Background

The CSS property to change the background color of an element to RGB 12, 131, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 131, 184) }
```

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

```
.background{ background-color: rgb(12, 131,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor