

Converting Colors

RGB(21, 112, 199)

Have a look what the booklet for
RGB(21, 112, 199) contains.

RGB(21, 112, 199)	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(21, 112, 199)

Conversions

Conversions Part 1	
Format	Color
Hex	1570C7
RGB	21, 112, 199
RGB Percent	8%, 44%, 78%
CMY	0.9176, 0.5608, 0.2196
CMYK	0.89, 0.44, 0.00, 0.22
HSL	209°, 81%, 43%
HSV	209°, 89%, 78%
XYZ	16.4122, 15.8713, 56.2313
YIQ	94.7090, -82.1630, 7.7650

Conversions

Conversions Part 2

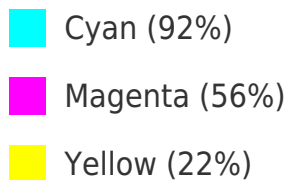
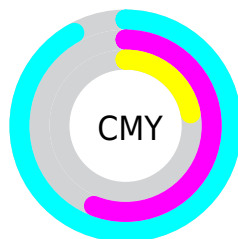
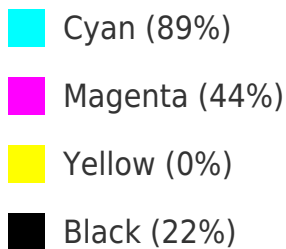
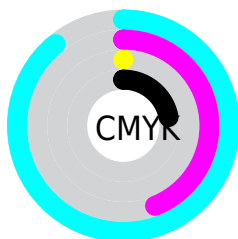
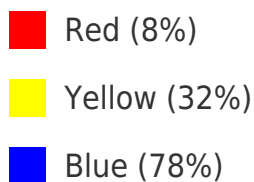
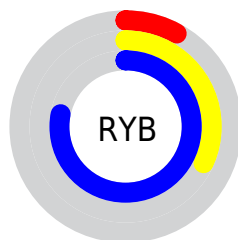
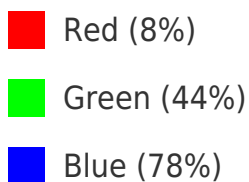
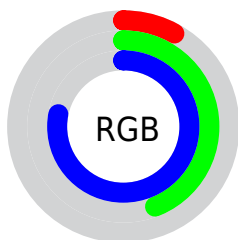
Format	Color
RYB	21, 81, 199
Decimal	1405127
CIELab	46.81, 7.72, -52.18
CIELCh	47, 52.744, 278.412
Yxy	15.8713, 0.1854, 0.1793
Android (android.graphics.Color)	4279595207 (0xFF1570C7)
YUV	94.7090, 51.4155, -64.6428
Hunter-Lab	39.8388, 3.8181, -55.7989

Details

The RGB color **21, 112, 199** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **199, 108, 21**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **102, 163, 255**, and **0, 65, 144** is the 20% darker color. If you saturate the color by 10%, you get **1, 102, 199**, and if you desaturate by 10%, it is **41, 122, 199**.


Distribution



Brightness & Saturation Gradients

These gradients show how the RGB color 21, 112, 199 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 21, 112, 199 by changing the saturation by 10% instead.

 21, 112, 199

255, 255, 255

 102, 163, 255


 133, 190, 255

 163, 218, 255

 194, 246, 255

 224, 255, 255

255, 255, 255

 21, 112, 199

 0, 88, 171


 0, 65, 144

 0, 44, 118


 0, 25, 93


 0, 8, 69

 0, 3, 45

 0, 1, 24

 0, 0, 0

 21, 112, 199

 21, 112, 199

■ 1, 102, 199

■ 41, 122, 199

■ 0, 102, 199

■ 61, 131, 199

■ 81, 141, 199

■ 101, 151, 199

■ 121, 161, 199

■ 140, 170, 199

■ 160, 180, 199

■ 180, 190, 199

■ 200, 200, 199

Harmonies

Analogous

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



0, 124, 193



21, 112, 199



128, 94, 181

Triad

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



21, 112, 199



183, 78, 58



0, 130, 77

Complementary

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



21, 112, 199



199, 108, 21

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.



74, 124, 35



21, 112, 199



158, 97, 22

Square

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



21, 112, 199



190, 67, 100



121, 113, 2



0, 132, 123

Rectangle

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



21, 112, 199



162, 80, 158



121, 113, 2



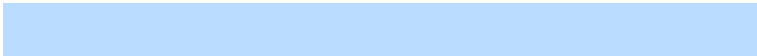
13, 128, 62

Sweetspot

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



21, 112, 199



186, 221, 255



21, 199, 107



87, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



21, 112, 199



0, 130, 255



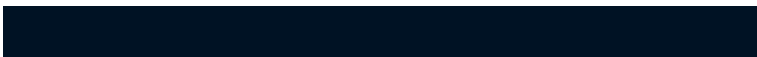
21, 24, 199



90, 95, 99



0, 83, 163



0, 18, 36

Inverse Universe

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



199, 21, 112



255, 0, 130



199, 196, 21



99, 90, 95



163, 0, 83



36, 0, 18

Previews

White Background



This preview shows how the RGB color 21, 112, 199 looks on a white 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

Black Background



This preview shows how the RGB color 21, 112, 199 looks on a black 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

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

RGB 21, 112, 199 Background



This preview shows how black text looks on a background with the RGB color 21, 112, 199.



This preview shows how white text looks on a background with the RGB color 21, 112, 199.

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

21, 112, 199

Protanopia

70, 107, 194

Deuteranopia

12, 112, 199






Tritanopia

0, 123, 131

Trichromacy

	Original Color 21, 112, 199
	Protanomaly 52, 109, 196
	Deuteranomaly 15, 112, 199
	Tritanomaly 8, 119, 156

Monochromacy

	Original Color 21, 112, 199
	Achromatopsia 95, 95, 95
	Achromatomaly 68, 101, 133

CSS Examples

Text

The CSS property to change the color of the text to RGB 21, 112, 199 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(21, 112, 199)` looks like.

```
.text, #text, p{  
    color:rgb(21, 112, 199)  
}
```

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(21, 112, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 112, 199) }
```

Border

The CSS property to change the border of an element to RGB 21, 112, 199 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(21, 112, 199) }
```

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

```
.border{ border-color:rgb(21, 112, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 112, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 112, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 112, 199);  
box-shadow:4px 4px 4px 4px rgb(21, 112,  
199) }
```

Background

The CSS property to change the background color of an element to RGB 21, 112, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 112, 199) }
```

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

```
.background{ background-color: rgb(21, 112,  
199) }
```

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