

Converting Colors

RGB(49, 137, 198)

Have a look what the booklet for
RGB(49, 137, 198) contains.

RGB(49, 137, 198)	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(49, 137, 198)

Conversions

Conversions Part 1	
Format	Color
Hex	3189C6
RGB	49, 137, 198
RGB Percent	19%, 54%, 78%
CMY	0.8078, 0.4627, 0.2235
CMYK	0.75, 0.31, 0.00, 0.22
HSL	205°, 60%, 48%
HSV	205°, 75%, 78%
XYZ	20.4053, 22.6215, 56.7170
YIQ	117.6420, -72.0290, 0.3150

Conversions

Conversions Part 2

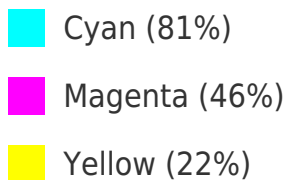
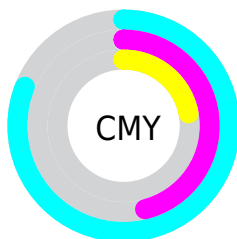
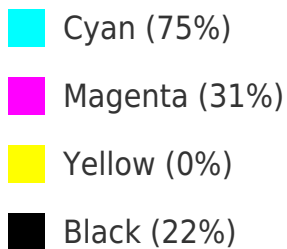
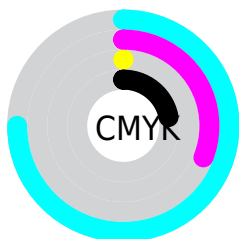
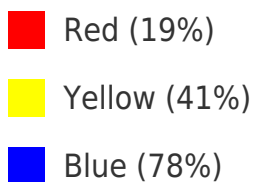
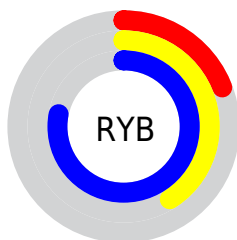
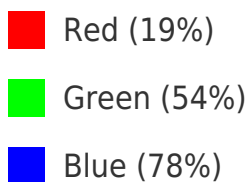
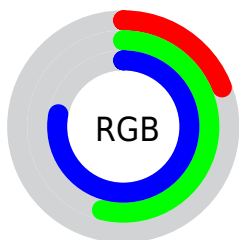
Format	Color
RYB	49, 104, 198
Decimal	3246534
CIELab	54.68, -5.27, -39.06
CIELCh	55, 39.412, 262.322
Yxy	22.6215, 0.2046, 0.2268
Android (android.graphics.Color)	4281436614 (0xFF3189C6)
YUV	117.6420, 39.6165, -60.1990
Hunter-Lab	47.5621, -6.6526, -37.4089

Details

The RGB color **49, 137, 198** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **198, 110, 49**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **115, 190, 255**, and **0, 88, 144** is the 20% darker color. If you saturate the color by 10%, you get **29, 129, 198**, and if you desaturate by 10%, it is **69, 145, 198**.


Distribution



Brightness & Saturation Gradients

These gradients show how the RGB color 49, 137, 198 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 49, 137, 198 by changing the saturation by 10% instead.

 49, 137, 198

255, 255, 255


 115, 190, 255


 145, 218, 255

 175, 246, 255

 205, 255, 255

 235, 255, 255

 49, 137, 198

 0, 112, 171


 0, 88, 144

 0, 64, 118


 0, 43, 93


 0, 23, 69


 0, 4, 46


 0, 1, 24

 0, 0, 0


 49, 137, 198

 49, 137, 198

 29, 129, 198

 69, 145, 198


 9, 121, 198

 89, 153, 198

 0, 117, 198

 108, 161, 198

 128, 169, 198

 148, 178, 198

 168, 186, 198

 188, 194, 198

 207, 202, 198

 227, 210, 198

Harmonies

Analogous

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



0, 145, 184



49, 137, 198



120, 125, 194

Triad

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



49, 137, 198



195, 104, 107



86, 144, 88

Complementary

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



49, 137, 198



198, 110, 49

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.



126, 137, 66



49, 137, 198



184, 114, 78

Square

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



49, 137, 198



190, 103, 141



159, 126, 62



19, 148, 121

Rectangle

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



49, 137, 198



152, 116, 181



159, 126, 62



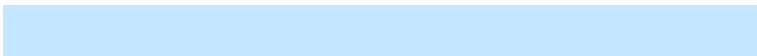
100, 142, 79

Sweetspot

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



49, 137, 198



196, 231, 255



49, 198, 109



92, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 137, 198



25, 161, 255



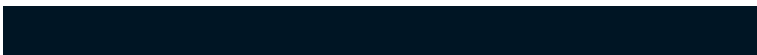
49, 64, 198



90, 95, 99



0, 96, 163



0, 21, 36

Inverse Universe

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



198, 49, 137



255, 25, 161



198, 183, 49



99, 90, 95



163, 0, 96



36, 0, 21

Previews

White Background



This preview shows how the RGB color 49, 137, 198 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 49, 137, 198 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 49, 137, 198 Background



This preview shows how black text looks on a background with the RGB color 49, 137, 198.

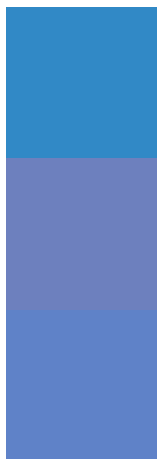


This preview shows how white text looks on a background with the RGB color 49, 137, 198.

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

49, 137, 198

Protanopia

109, 128, 190

Deuteranopia

95, 130, 200






Tritanopia

0, 145, 156

Trichromacy

	Original Color 49, 137, 198
	Protanomaly 87, 131, 193
	Deuteranomaly 78, 133, 199
	Tritanomaly 18, 142, 171

Monochromacy

	Original Color 49, 137, 198
	Achromatopsia 118, 118, 118
	Achromatomaly 93, 125, 147

CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 137, 198 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(49, 137, 198) looks like.

```
.text, #text, p{  
    color:rgb(49, 137, 198)  
}
```

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(49, 137, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 137, 198) }
```

Border

The CSS property to change the border of an element to RGB 49, 137, 198 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(49, 137, 198) }
```

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

```
.border{ border-color:rgb(49, 137, 198) }
```

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

Here you see how a box with a 4 pixel rgb(49, 137, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 137, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 137, 198);  
box-shadow:4px 4px 4px 4px rgb(49, 137,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 49, 137, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 137, 198) }
```

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

```
.background{ background-color: rgb(49, 137,  
198) }
```

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