

Converting Colors

RGB(49, 163, 250)

Have a look what the booklet for
RGB(49, 163, 250) contains.

RGB(49, 163, 250)	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, 163, 250)

Conversions

Conversions Part 1	
Format	Color
Hex	31A3FA
RGB	49, 163, 250
RGB Percent	19%, 64%, 98%
CMY	0.8078, 0.3608, 0.0196
CMYK	0.80, 0.35, 0.00, 0.02
HSL	206°, 95%, 59%
HSV	206°, 80%, 98%
XYZ	31.6191, 33.7495, 95.2903
YIQ	138.8320, -95.8710, 2.8890

Conversions

Conversions Part 2

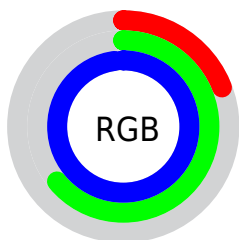
Format	Color
RYB	49, 122, 250
Decimal	3253242
CIELab	64.76, -1.67, -52.06
CIELCh	65, 52.085, 268.165
Yxy	33.7495, 0.1968, 0.2101
Android (android.graphics.Color)	4281443322 (0xFF31A3FA)
YUV	138.8320, 54.8058, -78.7827
Hunter-Lab	58.0943, -4.5124, -56.5855

Details

The RGB color **49, 163, 250** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **250, 136, 49**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **126, 218, 255**, and **0, 112, 193** is the 20% darker color. If you saturate the color by 10%, you get **24, 152, 250**, and if you desaturate by 10%, it is **74, 174, 250**.

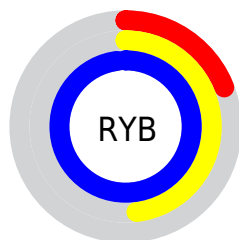
Distribution



Red (19%)

Green (64%)

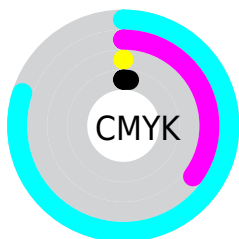
Blue (98%)



Red (19%)

Yellow (48%)

Blue (98%)

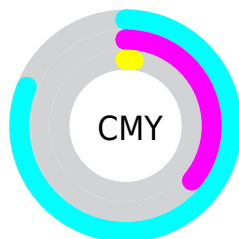


Cyan (80%)

Magenta (35%)

Yellow (0%)

Black (2%)



Cyan (81%)

Magenta (36%)


















Yellow (2%)


Brightness & Saturation


Gradients


These gradients show how the RGB color 49, 163, 250 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, 163, 250 by changing the saturation by 10% instead.

 49, 163, 250	 49, 163, 250
 255, 255, 255	 0, 137, 221
 126, 218, 255	 0, 112, 193
 158, 246, 255	 0, 88, 165
 189, 255, 255	 0, 65, 139
 221, 255, 255	 0, 44, 113
 252, 255, 255	 0, 24, 88
	 0, 7, 64
	 0, 3, 41
	 0, 1, 19


 49, 163, 250


 49, 163, 250

 24, 152, 250

 74, 174, 250

 0, 142, 250

 99, 185, 250

 124, 195, 250

 149, 206, 250

 174, 217, 250

 199, 228, 250

 224, 239, 250

 249, 250, 250

 255, 255, 250

Harmonies

Analogous

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



0, 174, 235



49, 163, 250



155, 146, 239

Triad

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



49, 163, 250



242, 121, 116



79, 176, 106

Complementary

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



49, 163, 250



250, 136, 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.



140, 167, 71



49, 163, 250



222, 136, 78

Square

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



49, 163, 250



240, 117, 162



186, 154, 60



0, 180, 153

Rectangle

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



49, 163, 250



196, 133, 220



186, 154, 60



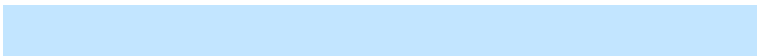
102, 174, 92

Sweetspot

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



49, 163, 250



194, 229, 255



49, 250, 133



91, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 163, 250



10, 149, 255



49, 66, 250



112, 120, 125



0, 107, 189



0, 35, 61

Inverse Universe

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



250, 49, 163



255, 10, 149



250, 233, 49



125, 112, 120



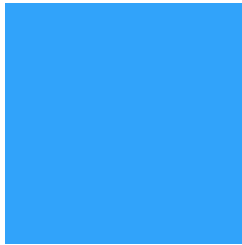
189, 0, 107



61, 0, 35

Previews

White Background



This preview shows how the RGB color 49, 163, 250 looks on a white background.

Color Contrast Check

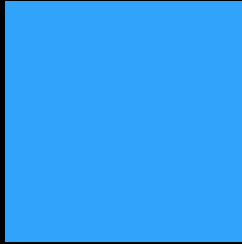
Large Text (above 18pt) WCAG AA × Fail

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 49, 163, 250 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

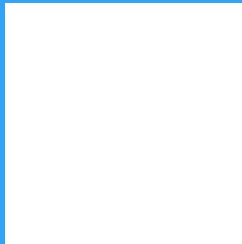
Any Text WCAG AAA ✓ Pass

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

RGB 49, 163, 250 Background



This preview shows how black text looks on a background with the RGB color 49, 163, 250.

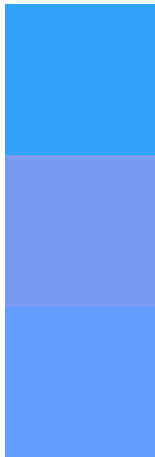


This preview shows how white text looks on a background with the RGB color 49, 163, 250.

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

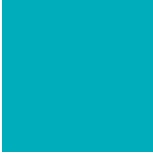
49, 163, 250

Protanopia

124, 153, 241

Deuteranopia

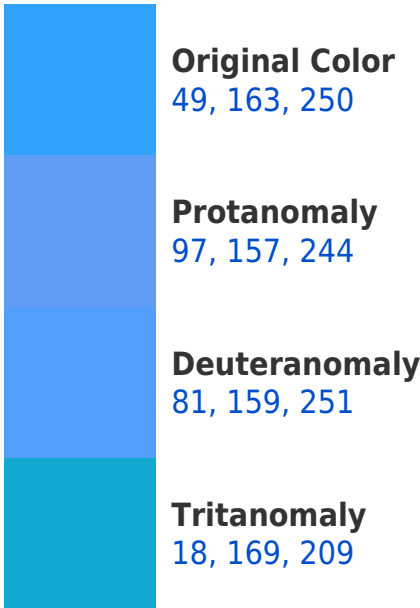
99, 156, 252



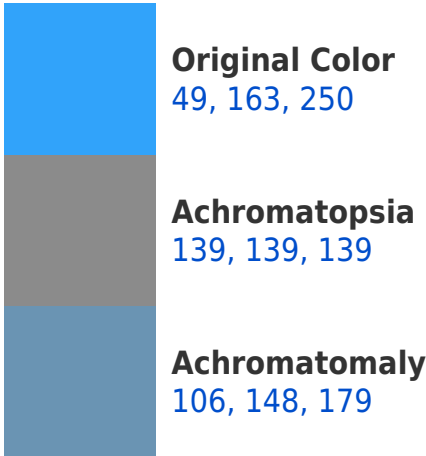
Tritanopia

0, 173, 186

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 49, 163, 250 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, 163, 250) looks like.

```
.text, #text, p{  
    color:rgb(49, 163, 250)  
}
```

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, 163, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 163, 250) }
```

Border

The CSS property to change the border of an element to RGB 49, 163, 250 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, 163, 250) }
```

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

```
.border{ border-color:rgb(49, 163, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 163, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 163, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 163, 250);  
box-shadow:4px 4px 4px 4px rgb(49, 163,  
250) }
```

Background

The CSS property to change the background color of an element to RGB 49, 163, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 163, 250) }
```

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

```
.background{ background-color: rgb(49, 163,  
250) }
```

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