

Converting Colors

`RYB(49, 147, 209)`

Have a look what the booklet for
RYB(49, 147, 209) contains.

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Color

RYB(49, 147, 209)

Conversions

Conversions Part 1

Format	Color
Hex	31D196
RGB	49, 209, 150
RGB Percent	19%, 82%, 59%
CMY	0.8078, 0.1804, 0.4109
CMYK	0.77, 0.00, 0.28, 0.18
HSL	158°, 63%, 51%
HSV	158°, 77%, 82%
XYZ	29.5902, 48.4631, 36.7438
YIQ	154.4340, -76.4210, -52.2690

Conversions

Conversions Part 2

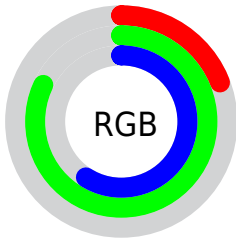
Format	Color
RYB	49, 147, 209
Decimal	3264918
CIELab	75.12, -53.87, 17.85
CIELCh	75, 56.748, 161.662
Yxy	48.4631, 0.2578, 0.4222
Android (android.graphics.Color)	4281454998 (0xFF31D196)
YUV	154.4340, -2.1860, -92.4656
Hunter-Lab	69.6155, -45.9553, 17.4369

Details

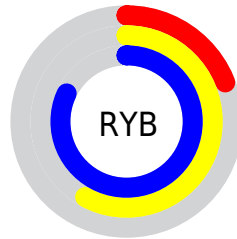
The RYB color **49, 147, 209** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **209, 49, 108**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **119, 203, 255**, and **0, 93, 153** is the 20% darker color. If you saturate the color by 10%, you get **28, 139, 209**, and if you desaturate by 10%, it is **70, 155, 209**.

Distribution



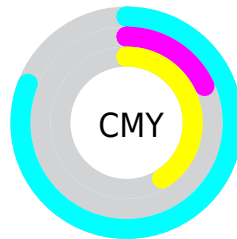
- Red (19%)
- Green (82%)
- Blue (59%)



- Red (19%)
- Yellow (58%)
- Blue (82%)



- Cyan (77%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)





















- Cyan (81%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 147, 209 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 RYB color 49, 147, 209 by changing the saturation by 10% instead.

 49, 147, 209	 49, 147, 209
 255, 255, 255	 0, 107, 181
 119, 202, 255	 0, 93, 153
 150, 209, 255	 0, 79, 126
 181, 218, 255	 0, 66, 100
 211, 233, 255	 0, 54, 75
 242, 249, 255	 0, 45, 52
	 0, 26, 26
	 0, 0, 0
 49, 147, 209	 49, 147, 209

■ 28, 139, 209

■ 70, 155, 209

■ 7, 131, 209

■ 91, 163, 209

■ 0, 128, 209

■ 112, 172, 209

■ 133, 180, 209

■ 154, 188, 209

■ 174, 195, 209

■ 195, 204, 209

■ 216, 209, 212

■ 237, 209, 219

Harmonies

Analogous

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



104, 202, 168



49, 147, 209



0, 107, 211

Triad

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



49, 147, 209



132, 169, 255



255, 161, 118

Complementary

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



49, 147, 209



209, 49, 108

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, 140, 166



49, 147, 209



215, 163, 255

Square

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



49, 147, 209



0, 112, 255



255, 145, 219



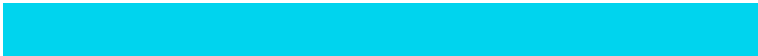
213, 242, 84

Rectangle

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



49, 147, 209



0, 112, 238



255, 145, 219



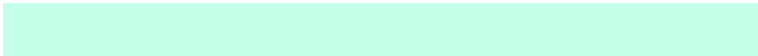
255, 148, 133

Sweetspot

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



49, 147, 209



196, 232, 255



49, 209, 148



92, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 147, 209



20, 164, 255



49, 124, 209



94, 101, 105



0, 103, 168



0, 25, 41

Inverse Universe

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



209, 49, 108



255, 20, 107



209, 71, 49



105, 94, 98



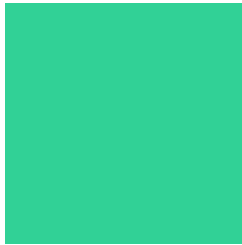
168, 0, 62



41, 0, 15

Previews

White Background



This preview shows how the RYB color 49, 147, 209 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 RYB color 49, 147, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

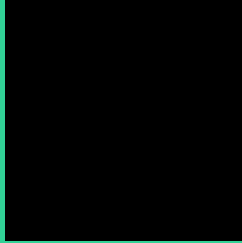
Any Text WCAG AA ✓ Pass

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](#).

R Y B 49, 147, 209 Background



This preview shows how black text looks on a background with the RYB color 49, 147, 209.

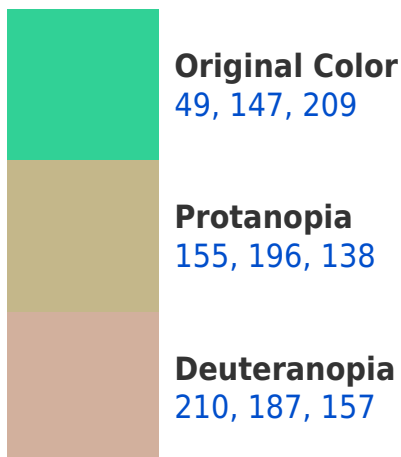


This preview shows how white text looks on a background with the RYB color 49, 147, 209.

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
82, 145, 217

Trichromacy



Original Color

49, 147, 209



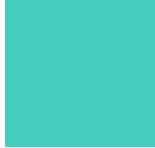
Protanomaly

142, 192, 191



Deuteranomaly

151, 184, 188



Tritanomaly

70, 139, 203

Monochromacy



Original Color

49, 147, 209



Achromatopsia

154, 154, 154



Achromatomaly

116, 151, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 147, 209 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, 209, 150)` looks like.

```
.text, #text, p{  
    color:rgb(49, 209, 150)  
}
```

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, 209, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 209, 150) }
```

Border

The CSS property to change the border of an element to RYB 49, 147, 209 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, 209, 150) }
```

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

```
.border{ border-color:rgb(49, 209, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 209, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 209, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 209, 150);  
box-shadow:4px 4px 4px 4px rgb(49, 209,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 49, 147, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 209, 150) }
```

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

```
.background{ background-color: rgb(49, 209,  
150) }
```

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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