

Converting Colors

`RYB(49, 228, 231)`

Have a look what the booklet for
RYB(49, 228, 231) contains.

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Color

RYB(49, 228, 231)

Conversions

Conversions Part 1

Format	Color
Hex	31E734
RGB	49, 231, 52
RGB Percent	19%, 91%, 20%
CMY	0.8078, 0.0941, 0.7959
CMYK	0.79, 0.00, 0.77, 0.09
HSL	121°, 79%, 55%
HSV	121°, 79%, 91%
XYZ	30.4635, 58.0532, 12.8545
YIQ	156.1760, -51.0130, -94.2530

Conversions

Conversions Part 2

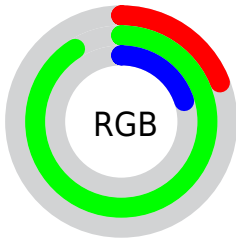
Format	Color
RYB	49, 228, 231
Decimal	3270452
CIELab	80.77, -74.93, 68.73
CIELCh	81, 101.675, 137.471
Yxy	58.0532, 0.3005, 0.5727
Android (android.graphics.Color)	4281460532 (0xFF31E734)
YUV	156.1760, -51.3588, -93.9934
Hunter-Lab	76.1926, -61.9689, 43.3320

Details

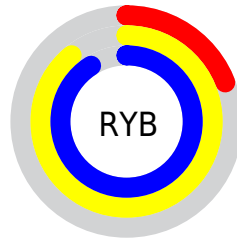
The RYB color **49, 228, 231** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **231, 49, 228**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **111, 255, 239**, and **0, 174, 174** is the 20% darker color. If you saturate the color by 10%, you get **26, 228, 231**, and if you desaturate by 10%, it is **72, 228, 231**.

Distribution



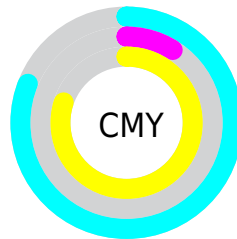
- Red (19%)
- Green (91%)
- Blue (20%)



- Red (19%)
- Yellow (89%)
- Blue (91%)



- Cyan (79%)
- Magenta (0%)
- Yellow (77%)
- Black (9%)



















- Cyan (81%)
- Magenta (9%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 228, 231 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, 228, 231 by changing the saturation by 10% instead.

 49, 228, 231	 49, 228, 231
255, 255, 255	 0, 195, 202
 112, 255, 240	 0, 174, 174
 140, 255, 236	 0, 146, 146
 169, 255, 233	 0, 119, 119
 197, 255, 229	 0, 92, 92
 227, 255, 228	 0, 67, 67
	 0, 42, 42
	 0, 5, 5
	 0, 0, 0

 49, 228, 231

 49, 228, 231

 26, 228, 231


 72, 228, 231

 3, 227, 231

 95, 229, 231


 0, 227, 231

 118, 229, 231

 141, 229, 231

 165, 230, 231

 188, 231, 231

 211, 231, 231

 234, 231, 234

 255, 231, 255

Harmonies

Analogous

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



0, 213, 24



49, 228, 231



0, 145, 240

Triad

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



49, 228, 231



0, 119, 255



255, 90, 150

Complementary

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



49, 228, 231



231, 49, 228

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, 94, 245



49, 228, 231



76, 147, 255

Square

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



49, 228, 231



0, 123, 255



255, 145, 255



255, 190, 58

Rectangle

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



49, 228, 231



0, 126, 242



255, 145, 255



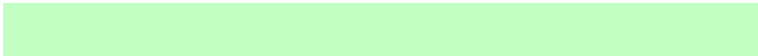
255, 83, 181

Sweetspot

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



49, 228, 231



194, 254, 255



49, 231, 52



91, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



49, 228, 231



13, 251, 255



49, 169, 231



103, 115, 115



0, 176, 179



0, 50, 51

Inverse Universe

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



231, 49, 228



255, 13, 251



231, 49, 137



115, 103, 115



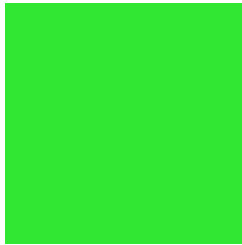
179, 0, 176



51, 0, 50

Previews

White Background



This preview shows how the RYB color 49, 228, 231 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, 228, 231 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, 228, 231 Background



This preview shows how black text looks on a background with the RGB color 49, 228, 231.

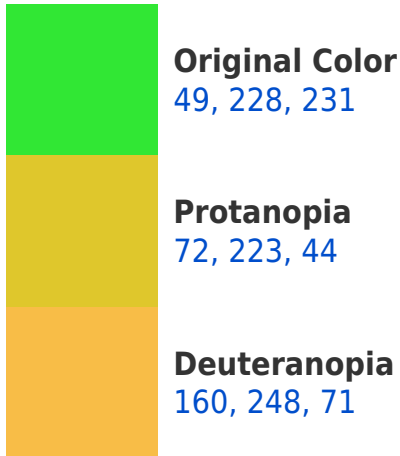


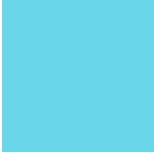
This preview shows how white text looks on a background with the RGB color 49, 228, 231.

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](#).

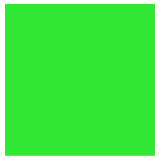
Dichromacy





Tritanopia
105, 164, 233

Trichromacy



Original Color

49, 228, 231



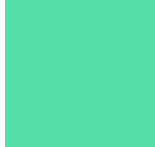
Protanomaly

47, 211, 98



Deuteranomaly

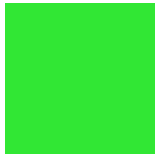
64, 204, 92



Tritanomaly

85, 170, 221

Monochromacy



Original Color

49, 228, 231



Achromatopsia

156, 156, 156



Achromatomaly

117, 182, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 228, 231 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, 231, 52)` looks like.

```
.text, #text, p{  
    color:rgb(49, 231, 52)  
}
```

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, 231, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 231, 52) }
```

Border

The CSS property to change the border of an element to RYB 49, 228, 231 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, 231, 52) }
```

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

```
.border{ border-color:rgb(49, 231, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 231, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 231, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 231, 52);  
box-shadow:4px 4px 4px 4px rgb(49, 231,  
52) }
```

Background

The CSS property to change the background color of an element to RYB 49, 228, 231 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 231, 52) }
```

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

```
.background{ background-color: rgb(49, 231,  
52) }
```

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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