

Converting Colors

`RYB(49, 145, 190)`

Have a look what the booklet for
RYB(49, 145, 190) contains.

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Color

R_YB(49, 145, 190)

Conversions

Conversions Part 1

Format	Color
Hex	31BE73
RGB	49, 190, 115
RGB Percent	19%, 75%, 45%
CMY	0.8078, 0.2549, 0.5487
CMYK	0.74, 0.00, 0.39, 0.25
HSL	148°, 59%, 47%
HSV	148°, 74%, 75%
XYZ	22.7800, 38.7198, 22.5210
YIQ	139.2910, -59.9610, -53.2170

Conversions

Conversions Part 2

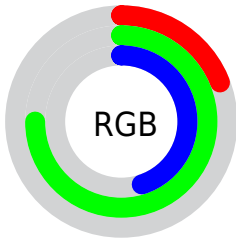
Format	Color
RYB	49, 145, 190
Decimal	3260019
CIELab	68.55, -53.85, 27.49
CIELCh	69, 60.462, 152.953
Yxy	38.7198, 0.2711, 0.4608
Android (android.graphics.Color)	4281450099 (0xFF31BE73)
YUV	139.2910, -11.9755, -79.1852
Hunter-Lab	62.2253, -43.5473, 22.0990

Details

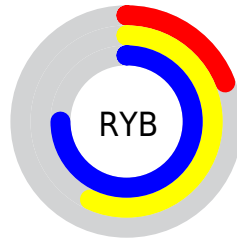
The RYB color **49, 145, 190** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **190, 49, 124**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **115, 209, 247**, and **0, 91, 135** is the 20% darker color. If you saturate the color by 10%, you get **30, 139, 190**, and if you desaturate by 10%, it is **68, 151, 190**.

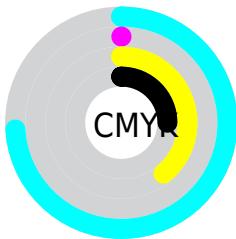
Distribution



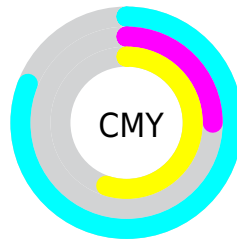
- Red (19%)
- Green (75%)
- Blue (45%)



- Red (19%)
- Yellow (57%)
- Blue (75%)



- Cyan (74%)
- Magenta (0%)
- Yellow (39%)
- Black (25%)



- Cyan (81%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 49, 145, 190 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, 145, 190 by changing the saturation by 10% instead.



49, 145, 190



49, 145, 190

255, 255, 255



0, 104, 162



115, 209, 247



0, 91, 135



145, 221, 255



0, 78, 109



175, 225, 255



0, 67, 83



205, 231, 255



0, 59, 59



235, 245, 255



0, 36, 36



0, 0, 0



49, 145, 190



49, 145, 190



30, 139, 190



68, 151, 190

■ 11, 133, 190

■ 87, 157, 190

■ 0, 129, 190

■ 106, 163, 190

■ 125, 169, 190

■ 144, 175, 190

■ 163, 181, 190

■ 182, 187, 190

■ 201, 190, 196

■ 220, 190, 206

Harmonies

Analogous

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



69, 181, 114



49, 145, 190



0, 103, 194

Triad

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



49, 145, 190



51, 127, 255



255, 128, 111

Complementary

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



49, 145, 190



190, 49, 124

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, 117, 164



49, 145, 190



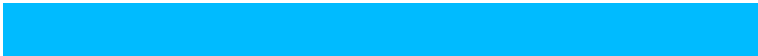
176, 150, 255

Square

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



49, 145, 190



0, 108, 255



238, 128, 218



236, 214, 68

Rectangle

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



49, 145, 190



0, 100, 208



238, 128, 218



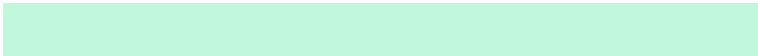
255, 121, 128

Sweetspot

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



49, 145, 190



193, 230, 247



49, 190, 115



92, 114, 125



252, 252, 252



125, 125, 125

Same Dimension

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



49, 145, 190



27, 177, 247



49, 121, 190



85, 91, 94



0, 108, 158



0, 21, 31

Inverse Universe

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



190, 49, 124



247, 27, 144



190, 49, 54



94, 85, 90



158, 0, 84



31, 0, 16

Previews

White Background



This preview shows how the RYB color 49, 145, 190 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, 145, 190 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, 145, 190 Background



This preview shows how black text looks on a background with the RGB color 49, 145, 190.

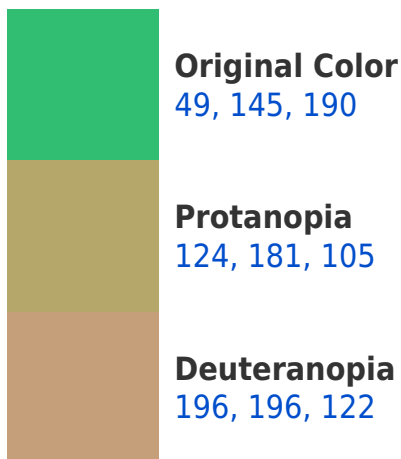


This preview shows how white text looks on a background with the RGB color 49, 145, 190.

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, 134, 195

Trichromacy



Original Color

49, 145, 190



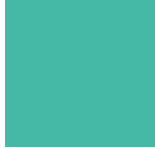
Protanomaly

109, 175, 151



Deuteranomaly

119, 170, 146



Tritanomaly

70, 132, 184

Monochromacy



Original Color

49, 145, 190



Achromatopsia

139, 139, 139



Achromatomaly

106, 142, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 49, 145, 190 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, 190, 115)` looks like.

```
.text, #text, p{  
    color:rgb(49, 190, 115)  
}
```

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, 190, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 190, 115) }
```

Border

The CSS property to change the border of an element to RYB 49, 145, 190 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, 190, 115) }
```

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

```
.border{ border-color:rgb(49, 190, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 190, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 190, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 190, 115);  
box-shadow:4px 4px 4px 4px rgb(49, 190,  
115) }
```

Background

The CSS property to change the background color of an element to RYB 49, 145, 190 is called "background".

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

```
.background, #background, body{  
background: rgb(49, 190, 115) }
```

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

```
.background{ background-color: rgb(49, 190,  
115) }
```

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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