

Converting Colors

`RYB(66, 183, 169)`

Have a look what the booklet for
RYB(66, 183, 169) contains.

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Color

RYB(66, 183, 169)

Conversions

Conversions Part 1

Format	Color
Hex	50B742
RGB	80, 183, 66
RGB Percent	31%, 72%, 26%
CMY	0.6863, 0.2824, 0.7412
CMYK	0.56, 0.00, 0.64, 0.28
HSL	113°, 47%, 49%
HSV	113°, 64%, 72%
XYZ	21.2251, 35.9658, 10.9777
YIQ	138.8650, -23.8310, -58.2230

Conversions

Conversions Part 2

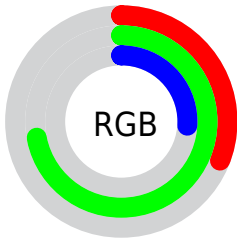
Format	Color
RYB	66, 183, 169
Decimal	5289794
CIELab	66.49, -52.23, 49.15
CIELCh	66, 71.716, 136.742
Yxy	35.9658, 0.3114, 0.5276
Android (android.graphics.Color)	4283479874 (0xFF50B742)
YUV	138.8650, -35.9224, -51.6246
Hunter-Lab	59.9715, -41.7753, 31.1271

Details

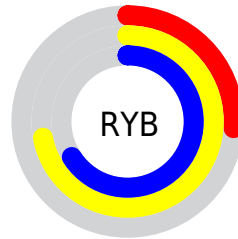
The RYB color **66, 183, 169** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **169, 66, 183**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **119, 240, 221**, and **0, 124, 129** is the 20% darker color. If you saturate the color by 10%, you get **48, 183, 167**, and if you desaturate by 10%, it is **84, 183, 171**.

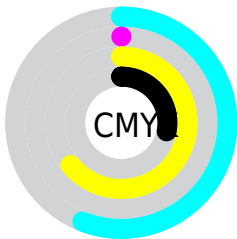
Distribution



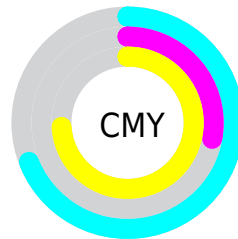
- Red (31%)
- Green (72%)
- Blue (26%)



- Red (26%)
- Yellow (72%)
- Blue (66%)



- Cyan (56%)
- Magenta (0%)
- Yellow (64%)
- Black (28%)



- Cyan (69%)
- Magenta (28%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 183, 169 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 66, 183, 169 by changing the saturation by 10% instead.



66, 183, 169



66, 183, 169

255, 255, 255



39, 156, 147



119, 240, 221



0, 124, 129



145, 255, 233



0, 103, 103



173, 255, 232



0, 78, 78



201, 255, 230



0, 54, 54



230, 255, 230



0, 31, 31



0, 0, 0



66, 183, 169



66, 183, 169



48, 183, 167



84, 183, 171

■ 29, 183, 164

■ 103, 183, 174

■ 11, 183, 162

■ 121, 183, 176

■ 0, 183, 161

■ 139, 183, 178

■ 158, 183, 180

■ 176, 183, 182

■ 193, 183, 194

■ 209, 183, 212

■ 225, 183, 231

Harmonies

Analogous

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



0, 170, 11



66, 183, 169



0, 113, 190

Triad

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



66, 183, 169



0, 104, 255



255, 98, 128

Complementary

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



66, 183, 169



169, 66, 183

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, 101, 193



66, 183, 169



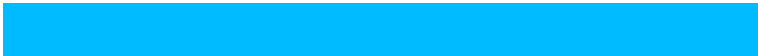
98, 141, 255

Square

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



66, 183, 169



0, 108, 255



210, 128, 251



255, 141, 69

Rectangle

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



66, 183, 169



0, 100, 192



210, 128, 251



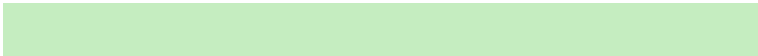
255, 95, 150

Sweetspot

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



66, 183, 169



192, 237, 232



85, 183, 66



92, 120, 116



247, 247, 247



120, 120, 120

Same Dimension

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



66, 183, 169



55, 237, 216



66, 152, 183



83, 92, 91



0, 156, 137



0, 28, 25

Inverse Universe

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



169, 66, 183



215, 55, 237



183, 66, 140



91, 83, 92



137, 0, 156



25, 0, 28

Previews

White Background



This preview shows how the RYB color 66, 183, 169 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 66, 183, 169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

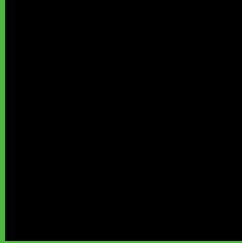
Any Text WCAG AA ✓ Pass

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 66, 183, 169 Background



This preview shows how black text looks on a background with the RGB color 66, 183, 169.

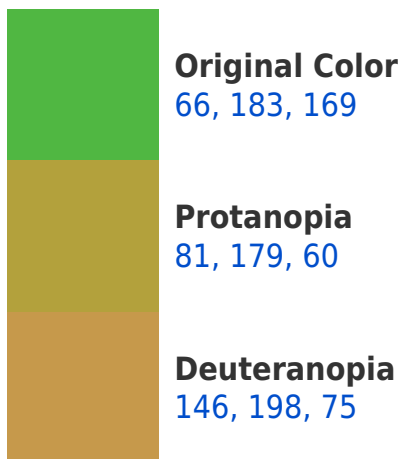


This preview shows how white text looks on a background with the RGB color 66, 183, 169.

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, 141, 185

Trichromacy



Original Color

66, 183, 169



Protanomaly

62, 169, 88



Deuteranomaly

72, 164, 81



Tritanomaly

96, 146, 175

Monochromacy



Original Color

66, 183, 169



Achromatopsia

139, 139, 139



Achromatomaly

112, 155, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 183, 169 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(80, 183, 66)` looks like.

```
.text, #text, p{  
    color:rgb(80, 183, 66)  
}
```

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(80, 183, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 183, 66) }
```

Border

The CSS property to change the border of an element to RYB 66, 183, 169 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(80, 183, 66) }
```

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

```
.border{ border-color:rgb(80, 183, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 183, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 183, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 183, 66);  
box-shadow:4px 4px 4px 4px rgb(80, 183,  
66) }
```

Background

The CSS property to change the background color of an element to RGB 66, 183, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 183, 66) }
```

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

```
.background{ background-color: rgb(80, 183,  
66) }
```

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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