

Converting Colors

`RYB(65, 190, 151)`

Have a look what the booklet for
RYB(65, 190, 151) contains.

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Color

RYB(65, 190, 151)

Conversions

Conversions Part 1

Format	Color
Hex	68BE41
RGB	104, 190, 65
RGB Percent	41%, 75%, 25%
CMY	0.5922, 0.2549, 0.7451
CMYK	0.45, 0.00, 0.66, 0.25
HSL	101°, 49%, 50%
HSV	101°, 66%, 75%
XYZ	25.0765, 40.1516, 11.4294
YIQ	150.0360, -11.1310, -57.1070

Conversions

Conversions Part 2

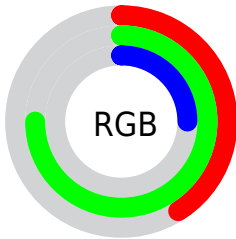
Format	Color
RYB	65, 190, 151
Decimal	6864449
CIELab	69.58, -48.18, 53.20
CIELCh	70, 71.778, 132.165
Yxy	40.1516, 0.3271, 0.5238
Android (android.graphics.Color)	4285054529 (0xFF68BE41)
YUV	150.0360, -41.9227, -40.3736
Hunter-Lab	63.3653, -40.2488, 33.6614

Details

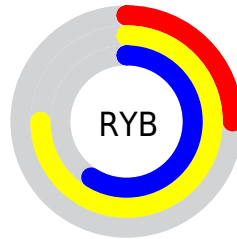
The RYB color **65, 190, 151** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **151, 65, 190**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **118, 247, 204**, and **0, 136, 92** is the 20% darker color. If you saturate the color by 10%, you get **46, 190, 145**, and if you desaturate by 10%, it is **84, 190, 157**.

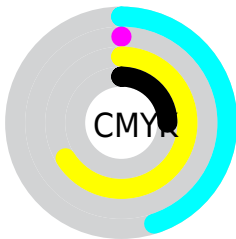
Distribution



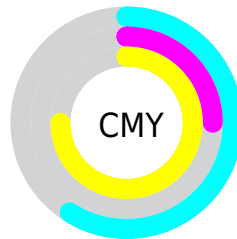
- Red (41%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (59%)



- Cyan (45%)
- Magenta (0%)
- Yellow (66%)
- Black (25%)







- Cyan (59%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 190, 151 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 65, 190, 151 by changing the saturation by 10% instead.

 65, 190, 151	 65, 190, 151
 255, 255, 255	 37, 163, 125
 118, 247, 204	 0, 136, 92
 145, 255, 210	 0, 110, 110
 173, 255, 209	 0, 85, 85
 201, 255, 207	 0, 60, 60
 230, 255, 230	 0, 39, 39
	 0, 0, 0

 65, 190, 151	 65, 190, 151
 46, 190, 145	 84, 190, 157

■ 27, 190, 139

■ 103, 190, 163

■ 8, 190, 133

■ 122, 190, 169

■ 0, 190, 131

■ 141, 190, 175

■ 160, 190, 181

■ 179, 190, 187

■ 196, 190, 198

■ 209, 190, 217

■ 222, 190, 236

Harmonies

Analogous

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



13, 177, 11



65, 190, 151



0, 120, 198

Triad

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



65, 190, 151



0, 108, 255



255, 106, 146

Complementary

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



65, 190, 151



151, 65, 190

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, 113, 211



65, 190, 151



79, 139, 255

Square

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



65, 190, 151



0, 111, 255



207, 141, 255



255, 137, 85

Rectangle

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



65, 190, 151



0, 107, 200



207, 141, 255



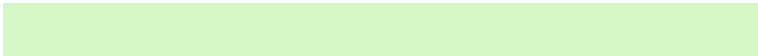
255, 105, 168

Sweetspot

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



65, 190, 151



198, 247, 232



124, 190, 65



95, 125, 116



252, 252, 252



125, 125, 125

Same Dimension

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



65, 190, 151



52, 247, 186



65, 171, 190



85, 94, 91



0, 158, 109



0, 31, 21

Inverse Universe

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



151, 65, 190



186, 52, 247



190, 65, 167



91, 85, 94



109, 0, 158



21, 0, 31

Previews

White Background



This preview shows how the RYB color 65, 190, 151 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 65, 190, 151 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](#).

RYB 65, 190, 151 Background



This preview shows how black text looks on a background with the RYB color 65, 190, 151.

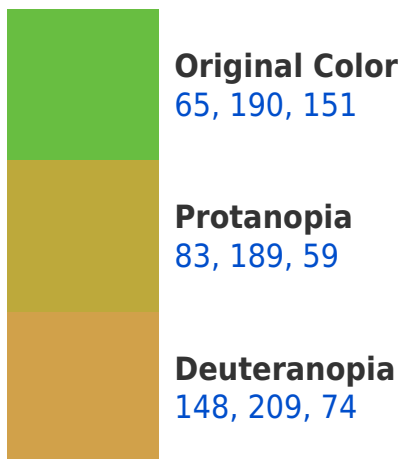


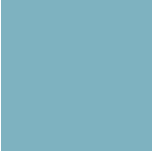
This preview shows how white text looks on a background with the RYB color 65, 190, 151.

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
126, 155, 192

Trichromacy



Original Color

65, 190, 151



Protanomaly

61, 177, 80



Deuteranomaly

71, 172, 72



Tritanomaly

118, 163, 182

Monochromacy



Original Color

65, 190, 151



Achromatopsia

150, 150, 150



Achromatomaly

119, 165, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 190, 151 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(104, 190, 65)` looks like.

```
.text, #text, p{  
    color:rgb(104, 190, 65)  
}
```

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(104, 190, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 190, 65) }
```

Border

The CSS property to change the border of an element to RYB 65, 190, 151 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(104, 190, 65) }
```

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

```
.border{ border-color:rgb(104, 190, 65) }
```

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

Here you see how a box with a 4 pixel rgb(104, 190, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 190, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 190, 65);  
box-shadow:4px 4px 4px 4px rgb(104, 190,  
65) }
```

Background

The CSS property to change the background color of an element to RYB 65, 190, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 190, 65) }
```

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

```
.background{ background-color: rgb(104,  
190, 65) }
```

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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