

Converting Colors

`RYB(64, 135, 190)`

Have a look what the booklet for
RYB(64, 135, 190) contains.

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Color

`RYB(64, 135, 190)`

Conversions

Conversions Part 1

Format	Color
Hex	40BEA2
RGB	64, 190, 162
RGB Percent	25%, 75%, 64%
CMY	0.7490, 0.2549, 0.3663
CMYK	0.66, 0.00, 0.15, 0.25
HSL	166°, 50%, 50%
HSV	166°, 66%, 75%
XYZ	27.0144, 40.5115, 40.3946
YIQ	149.1340, -66.1080, -35.4200

Conversions

Conversions Part 2

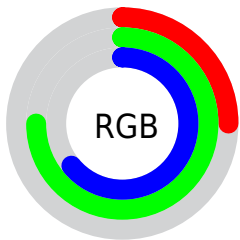
Format	Color
RYB	64, 135, 190
Decimal	4243106
CIELab	69.83, -41.22, 4.28
CIElCh	70, 41.446, 174.076
Yxy	40.5115, 0.2503, 0.3754
Android (android.graphics.Color)	4282433186 (0xFF40BEA2)
YUV	149.1340, 6.3429, -74.6625
Hunter-Lab	63.6487, -35.6245, 6.9257

Details

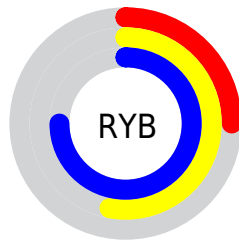
The RYB color **64, 135, 190** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **190, 64, 92**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **126, 195, 247**, and **0, 75, 136** is the 20% darker color. If you saturate the color by 10%, you get **45, 127, 190**, and if you desaturate by 10%, it is **83, 143, 190**.

Distribution



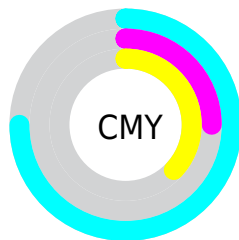
- Red (25%)
- Green (75%)
- Blue (64%)



- Red (25%)
- Yellow (53%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (15%)
- Black (25%)





- Cyan (75%)
- Magenta (25%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the RYB color 64, 135, 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 64, 135, 190 by changing the saturation by 10% instead.

 64, 135, 190

 64, 135, 190

255, 255, 255

 21, 100, 163

 126, 195, 247

 0, 75, 136


 156, 208, 255

 0, 62, 110

 185, 220, 255

 0, 49, 85


 215, 235, 255


 0, 36, 60


 245, 250, 255


 0, 27, 40

 0, 0, 0

 64, 135, 190

 64, 135, 190

 45, 127, 190

 83, 143, 190

■ 26, 118, 190

■ 102, 152, 190

■ 7, 110, 190

■ 121, 160, 190

■ 0, 107, 190

■ 140, 168, 190

■ 159, 176, 190

■ 178, 185, 190

■ 197, 190, 192

■ 216, 190, 196

■ 235, 190, 200

Harmonies

Analogous

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



120, 181, 186



64, 135, 190



0, 97, 200

Triad

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



64, 135, 190



163, 164, 239



229, 176, 111

Complementary

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



64, 135, 190



190, 64, 92

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.



243, 143, 142



64, 135, 190



211, 150, 215

Square

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



64, 135, 190



98, 149, 245



237, 141, 180



147, 201, 95

Rectangle

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



64, 135, 190



0, 102, 222



237, 141, 180



236, 159, 120

Sweetspot

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



64, 135, 190



198, 226, 247



64, 190, 161



95, 112, 125



252, 252, 252



125, 125, 125

Same Dimension

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



64, 135, 190



49, 160, 247



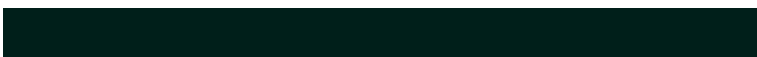
64, 117, 190



85, 90, 94



0, 89, 158



0, 17, 31

Inverse Universe

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



190, 64, 92



247, 49, 94



190, 111, 64



94, 85, 87



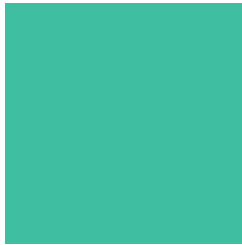
158, 0, 36



31, 0, 7

Previews

White Background



This preview shows how the RYB color 64, 135, 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 64, 135, 190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

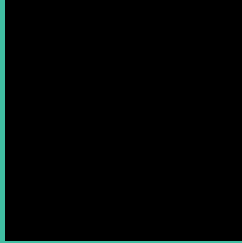
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

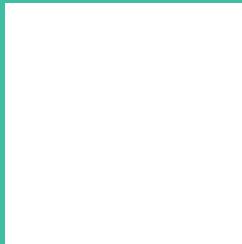
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 64, 135, 190 Background



This preview shows how black text looks on a background with the RYB color 64, 135, 190.

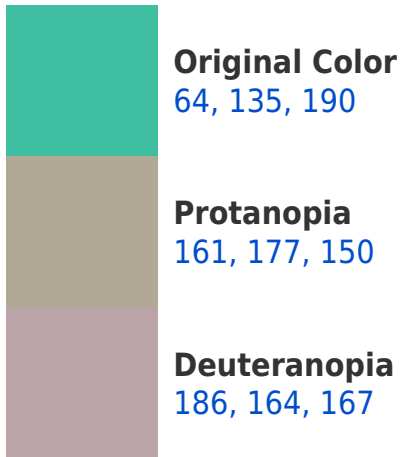


This preview shows how white text looks on a background with the RYB color 64, 135, 190.

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
81, 136, 200

Trichromacy



Original Color

64, 135, 190



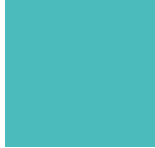
Protanomaly

136, 164, 177



Deuteranomaly

142, 160, 173



Tritanomaly

75, 131, 187

Monochromacy



Original Color

64, 135, 190



Achromatopsia

149, 149, 149



Achromatomaly

118, 144, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 135, 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(64, 190, 162)` looks like.

```
.text, #text, p{  
    color:rgb(64, 190, 162)  
}
```

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(64, 190, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 190, 162) }
```

Border

The CSS property to change the border of an element to RYB 64, 135, 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(64, 190, 162) }
```

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

```
.border{ border-color:rgb(64, 190, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 190, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 190, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 190, 162);  
box-shadow:4px 4px 4px 4px rgb(64, 190,  
162) }
```

Background

The CSS property to change the background color of an element to RYB 64, 135, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 190, 162) }
```

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

```
.background{ background-color: rgb(64, 190,  
162) }
```

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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