

Converting Colors

`RYB(102, 145, 191)`

Have a look what the booklet for
RYB(102, 145, 191) contains.

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Color

R_YB(102, 145, 191)

Conversions

Conversions Part 1

Format	Color
Hex	66B9BF
RGB	102, 185, 191
RGB Percent	40%, 73%, 75%
CMY	0.6000, 0.2737, 0.2510
CMYK	0.47, 0.03, 0.00, 0.25
HSL	184°, 41%, 57%
HSV	184°, 47%, 75%
XYZ	32.2734, 41.3662, 55.5737
YIQ	160.8670, -51.3940, -15.7300

Conversions

Conversions Part 2

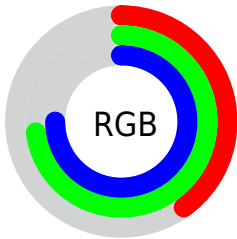
Format	Color
RYB	102, 145, 191
Decimal	6732223
CIELab	70.43, -23.73, -10.81
CIELCh	70, 26.075, 204.499
Yxy	41.3662, 0.2498, 0.3201
Android (android.graphics.Color)	4284922303 (0xFF66B9BF)
YUV	160.8670, 14.8556, -51.6264
Hunter-Lab	64.3166, -22.9846, -6.2088

Details

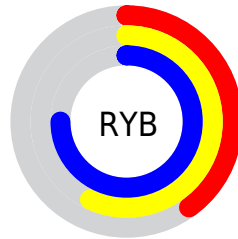
The RYB color **102, 145, 191** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **191, 108, 102**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **158, 201, 247**, and **43, 89, 138** is the 20% darker color. If you saturate the color by 10%, you get **83, 135, 191**, and if you desaturate by 10%, it is **121, 155, 191**.

Distribution



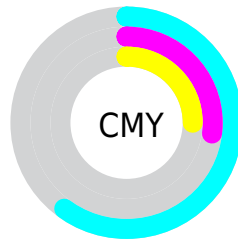
- Red (40%)
- Green (73%)
- Blue (75%)



- Red (40%)
- Yellow (57%)
- Blue (75%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)




- Cyan (60%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 145, 191 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 102, 145, 191 by changing the saturation by 10% instead.

 102, 145, 191


255, 255, 255


 158, 201, 247

 187, 221, 255

 216, 236, 255

 245, 250, 255

 102, 145, 191

 74, 117, 164

 43, 89, 138

 0, 54, 112


 0, 42, 88


 0, 31, 65

 0, 20, 43

 0, 3, 23

 0, 0, 0

 102, 145, 191

 102, 145, 191

■ 83, 135, 191

■ 121, 155, 191

■ 64, 125, 191

■ 140, 165, 191

■ 45, 115, 191

■ 159, 174, 191

■ 26, 106, 191

■ 178, 184, 191

■ 7, 96, 191

■ 198, 191, 191

■ 0, 92, 191

■ 217, 193, 191

■ 236, 194, 191

■ 255, 195, 191

■ 255, 196, 191

Harmonies

Analogous

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



117, 156, 185



102, 145, 191



109, 151, 210

Triad

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



102, 145, 191



199, 160, 200



164, 194, 125

Complementary

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



102, 145, 191



191, 108, 102

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.



212, 174, 135



102, 145, 191



216, 155, 178

Square

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



102, 145, 191



170, 168, 215



220, 156, 154



129, 177, 137

Rectangle

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



102, 145, 191



126, 159, 217



220, 156, 154



190, 201, 127

Sweetspot

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



102, 145, 191



213, 229, 247



102, 187, 191



104, 114, 125



252, 252, 252



125, 125, 125

Same Dimension

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



102, 145, 191



109, 176, 247



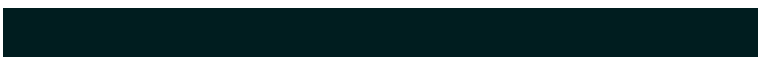
102, 130, 191



85, 90, 94



0, 76, 158



0, 15, 31

Inverse Universe

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



191, 102, 185



247, 109, 238



175, 191, 102



94, 85, 94



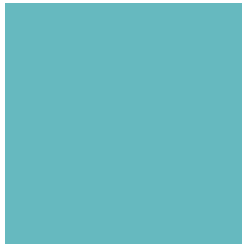
158, 0, 148



31, 0, 29

Previews

White Background



This preview shows how the RYB color 102, 145, 191 looks on a white background.

Color Contrast Check

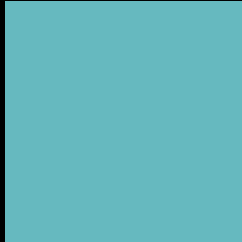
Large Text (above 18pt) WCAG AA × Fail

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 102, 145, 191 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 102, 145, 191 Background



This preview shows how black text looks on a background with the RYB color 102, 145, 191.

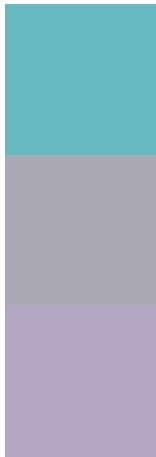


This preview shows how white text looks on a background with the RYB color 102, 145, 191.

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



Original Color
102, 145, 191

Protanopia
171, 170, 182

Deuteranopia
177, 167, 195



Tritanopia
104, 147, 199

Trichromacy



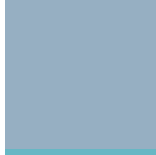
Original Color

102, 145, 191



Protanomaly

146, 163, 185



Deuteranomaly

150, 166, 194



Tritanomaly

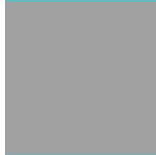
103, 146, 196

Monochromacy



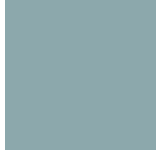
Original Color

102, 145, 191



Achromatopsia

161, 161, 161



Achromatomaly

140, 155, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 145, 191 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(102, 185, 191)` looks like.

```
.text, #text, p{  
    color:rgb(102, 185, 191)  
}
```

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(102, 185, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 185, 191) }
```

Border

The CSS property to change the border of an element to RYB 102, 145, 191 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(102, 185, 191) }
```

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

```
.border{ border-color:rgb(102, 185, 191) }
```

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

Here you see how a box with a 4 pixel rgb(102, 185, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 185, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 185, 191);  
box-shadow:4px 4px 4px 4px rgb(102, 185,  
191) }
```

Background

The CSS property to change the background color of an element to RYB 102, 145, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 185, 191) }
```

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

```
.background{ background-color: rgb(102,  
185, 191) }
```

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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