

Converting Colors

`RYB(102, 144, 181)`

Have a look what the booklet for
RYB(102, 144, 181) contains.

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Color

R_YB(102, 144, 181)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66B5AC |
| RGB | 102, 181, 172 |
| RGB Percent | 40%, 71%, 67% |
| CMY | 0.6000, 0.2902, 0.3271 |
| CMYK | 0.44, 0.00, 0.05, 0.29 |
| HSL | 173°, 35%, 55% |
| HSV | 173°, 44%, 71% |
| XYZ | 29.4109, 38.8356, 44.7721 |
| YIQ | 156.3530, -44.1950, -19.5470 |

Conversions

Conversions Part 2

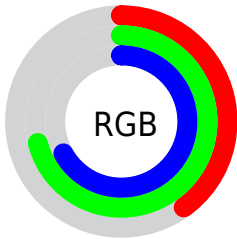
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 102, 144, 181 |
| Decimal | 6731180 |
| CIELab | 68.63, -26.60, -2.81 |
| CIELCh | 69, 26.751, 186.021 |
| Yxy | 38.8356, 0.2602, 0.3436 |
| Android (android.graphics.Color) | 4284921260 (0xFF66B5AC) |
| YUV | 156.3530, 7.7140, -47.6676 |
| Hunter-Lab | 62.3182, -24.8141, 1.0262 |

Details

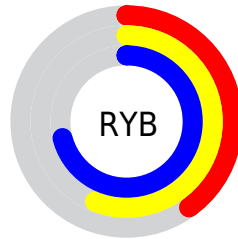
The RYB color **102, 144, 181** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **181, 102, 111**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **157, 200, 237**, and **46, 89, 128** is the 20% darker color. If you saturate the color by 10%, you get **84, 136, 181**, and if you desaturate by 10%, it is **120, 152, 181**.

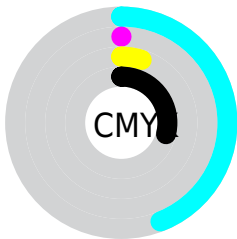
Distribution



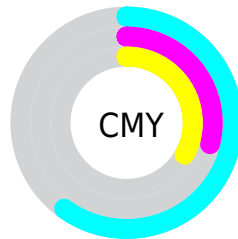
- Red (40%)
- Green (71%)
- Blue (67%)



- Red (40%)
- Yellow (56%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)




- Cyan (60%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 144, 181 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, 144, 181 by changing the saturation by 10% instead.

 102, 144, 181


255, 255, 255


 157, 200, 237


 185, 220, 255

 214, 235, 255

 243, 249, 255

 102, 144, 181


 75, 117, 154

 46, 89, 128

 7, 56, 102

 0, 41, 78


 0, 29, 55

 0, 19, 34

 0, 0, 1

 0, 0, 0

 102, 144, 181

 102, 144, 181

■ 84, 136, 181

■ 120, 152, 181

■ 66, 127, 181

■ 138, 161, 181

■ 48, 119, 181

■ 156, 169, 181

■ 30, 110, 181

■ 174, 178, 181

■ 11, 101, 181

■ 193, 181, 182

■ 0, 96, 181

■ 211, 181, 185

■ 229, 181, 187

■ 247, 181, 189

■ 255, 181, 191

Harmonies

Analogous

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



126, 164, 179



102, 144, 181



94, 140, 195

Triad

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



102, 144, 181



177, 159, 207



202, 187, 124

Complementary

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



102, 144, 181



181, 102, 111

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.



214, 154, 140



102, 144, 181



203, 152, 188

Square

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



102, 144, 181



144, 162, 215



215, 150, 163



136, 180, 119

Rectangle

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



102, 144, 181



103, 146, 207



215, 150, 163



207, 174, 128

Sweetspot

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



102, 144, 181



204, 221, 235



102, 181, 170



99, 109, 117



245, 245, 245



117, 117, 117

Same Dimension

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



102, 144, 181



113, 178, 235



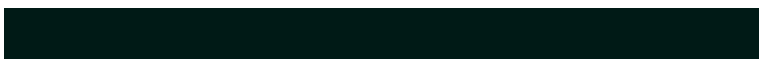
102, 133, 181



80, 85, 89



0, 81, 153



0, 14, 26

Inverse Universe

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



181, 102, 111



235, 113, 127



181, 148, 102



89, 80, 81



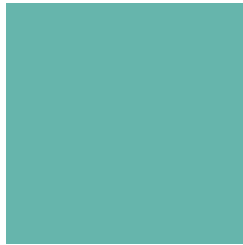
153, 0, 18



26, 0, 3

Previews

White Background



This preview shows how the RYB color 102, 144, 181 looks on a white background.

Color Contrast Check

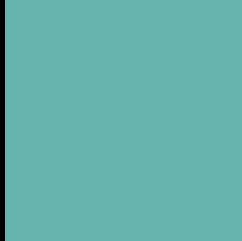
Large Text (above 18pt) WCAG AA × Fail

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, 144, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

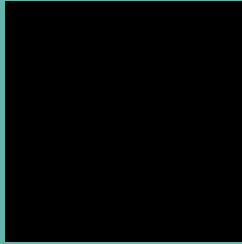
Any Text WCAG AA ✓ Pass

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, 144, 181 Background



This preview shows how black text looks on a background with the RYB color 102, 144, 181.

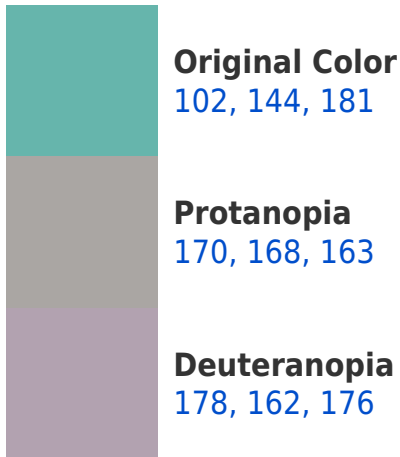


This preview shows how white text looks on a background with the RYB color 102, 144, 181.

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
108, 146, 192

Trichromacy



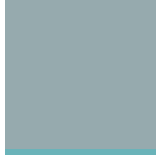
Original Color

102, 144, 181



Protanomaly

145, 159, 171



Deuteranomaly

150, 161, 174



Tritanomaly

106, 144, 185

Monochromacy



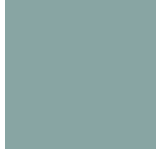
Original Color

102, 144, 181



Achromatopsia

156, 156, 156



Achromatomaly

136, 151, 165

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 144, 181 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, 181, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 181, 172)  
}
```

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, 181, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 181, 172) }
```

Border

The CSS property to change the border of an element to RYB 102, 144, 181 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, 181, 172) }
```

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

```
.border{ border-color:rgb(102, 181, 172) }
```

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

Here you see how a box with a 4 pixel rgb(102, 181, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 181, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 181, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 181,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 102, 144, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 181, 172) }
```

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

```
.background{ background-color: rgb(102,  
181, 172) }
```

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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