

Converting Colors

`RYB(102, 158, 178)`

Have a look what the booklet for
RYB(102, 158, 178) contains.

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Color

`RYB(102, 158, 178)`

Conversions

Conversions Part 1

Format	Color
Hex	66B281
RGB	102, 178, 129
RGB Percent	40%, 70%, 51%
CMY	0.6000, 0.3020, 0.4936
CMYK	0.43, 0.00, 0.27, 0.30
HSL	141°, 33%, 55%
HSV	141°, 43%, 70%
XYZ	25.3718, 36.2544, 26.4793
YIQ	149.6900, -29.5670, -31.3510

Conversions

Conversions Part 2

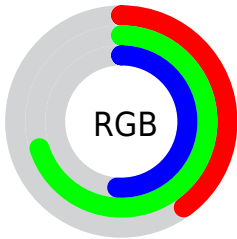
Format	Color
RYB	102, 158, 178
Decimal	6730369
CIELab	66.71, -34.59, 17.77
CIElCh	67, 38.885, 152.803
Yxy	36.2544, 0.2880, 0.4115
Android (android.graphics.Color)	4284920449 (0xFF66B281)
YUV	149.6900, -10.2002, -41.8241
Hunter-Lab	60.2116, -30.1543, 16.0741

Details

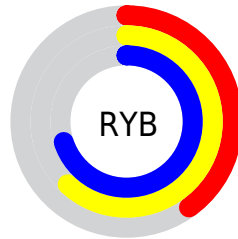
The RYB color **102, 158, 178** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **178, 102, 151**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **156, 215, 234**, and **48, 103, 125** is the 20% darker color. If you saturate the color by 10%, you get **84, 153, 178**, and if you desaturate by 10%, it is **120, 163, 178**.

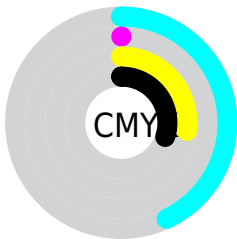
Distribution



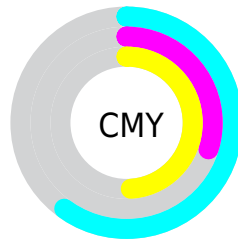
- Red (40%)
- Green (70%)
- Blue (51%)



- Red (40%)
- Yellow (62%)
- Blue (70%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (30%)




- Cyan (60%)
- Magenta (30%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 158, 178 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, 158, 178 by changing the saturation by 10% instead.

 102, 158, 178


255, 255, 255


 156, 215, 234


 184, 236, 255

 213, 239, 255

 242, 249, 255

 102, 158, 178


 75, 130, 151

 48, 102, 125

 16, 72, 99


 0, 52, 75

 0, 41, 51


 0, 31, 31

 0, 0, 0

 102, 158, 178

 84, 153, 178

 102, 158, 178

 120, 163, 178

■ 66, 149, 178

■ 138, 168, 178

■ 49, 144, 178

■ 155, 172, 178

■ 31, 140, 178

■ 173, 177, 178

■ 13, 135, 178

■ 191, 178, 186

■ 0, 131, 178

■ 209, 178, 198

■ 227, 178, 209

■ 244, 178, 221

■ 255, 178, 232

Harmonies

Analogous

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



102, 171, 128



102, 158, 178



47, 118, 181

Triad

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



102, 158, 178



115, 150, 232



228, 140, 126

Complementary

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



102, 158, 178



178, 102, 151

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.



228, 135, 160



102, 158, 178



170, 152, 221

Square

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



102, 158, 178



42, 119, 224



209, 140, 195



211, 186, 101

Rectangle

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



102, 158, 178



0, 92, 188



209, 140, 195



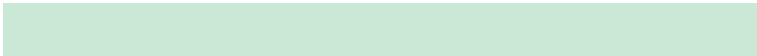
230, 136, 137

Sweetspot

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



102, 158, 178



202, 224, 232



102, 178, 129



99, 113, 117



245, 245, 245



117, 117, 117

Same Dimension

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



102, 158, 178



114, 201, 232



102, 143, 178



80, 86, 89



0, 113, 153



0, 19, 26

Inverse Universe

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



178, 102, 151



232, 114, 190



178, 102, 113



89, 80, 86



153, 0, 98



26, 0, 16

Previews

White Background



This preview shows how the RYB color 102, 158, 178 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, 158, 178 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, 158, 178 Background



This preview shows how black text looks on a background with the RYB color 102, 158, 178.

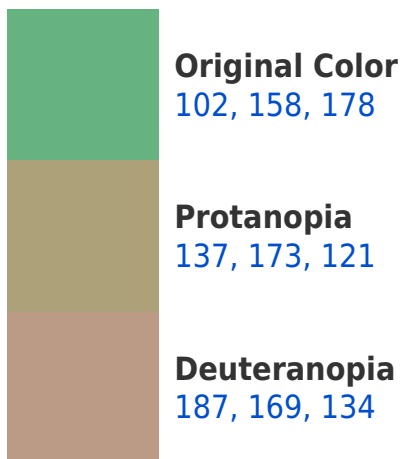


This preview shows how white text looks on a background with the RYB color 102, 158, 178.

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
115, 146, 185

Trichromacy



Original Color

102, 158, 178



Protanomaly

124, 167, 144



Deuteranomaly

132, 163, 139



Tritanomaly

110, 144, 174

Monochromacy



Original Color

102, 158, 178



Achromatopsia

150, 150, 150



Achromatomaly

133, 153, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 158, 178 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, 178, 129)` looks like.

```
.text, #text, p{  
    color:rgb(102, 178, 129)  
}
```

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, 178, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 178, 129) }
```

Border

The CSS property to change the border of an element to RYB 102, 158, 178 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, 178, 129) }
```

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

```
.border{ border-color:rgb(102, 178, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 178, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 178, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 178, 129);  
box-shadow:4px 4px 4px 4px rgb(102, 178,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 102, 158, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 178, 129) }
```

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

```
.background{ background-color: rgb(102,  
178, 129) }
```

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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