

Converting Colors

`RYB(102, 182, 178)`

Have a look what the booklet for
RYB(102, 182, 178) contains.

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Color

R_YB(102, 182, 178)

Conversions

Conversions Part 1

Format	Color
Hex	6AB666
RGB	106, 182, 102
RGB Percent	42%, 71%, 40%
CMY	0.5843, 0.2863, 0.6000
CMYK	0.42, 0.00, 0.44, 0.29
HSL	117°, 35%, 56%
HSV	117°, 44%, 71%
XYZ	25.0701, 37.4794, 18.4833
YIQ	150.1560, -19.6160, -40.9920

Conversions

Conversions Part 2

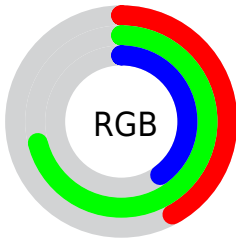
Format	Color
RYB	102, 182, 178
Decimal	6993510
CIELab	67.64, -39.84, 33.46
CIElCh	68, 52.025, 139.974
Yxy	37.4794, 0.3094, 0.4625
Android (android.graphics.Color)	4285183590 (0xFF6AB666)
YUV	150.1560, -23.7409, -38.7248
Hunter-Lab	61.2204, -34.0390, 24.9538

Details

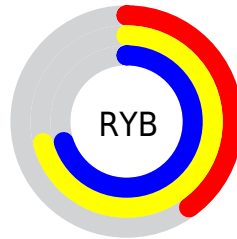
The RYB color **102, 182, 178** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **178, 102, 182**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **154, 238, 231**, and **51, 126, 128** is the 20% darker color. If you saturate the color by 10%, you get **84, 182, 177**, and if you desaturate by 10%, it is **120, 182, 179**.

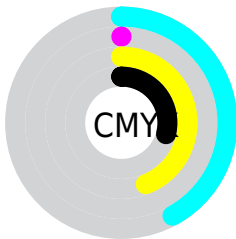
Distribution



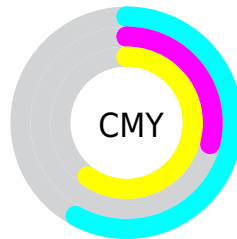
- Red (42%)
- Green (71%)
- Blue (40%)



- Red (40%)
- Yellow (71%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (44%)
- Black (29%)



- Cyan (58%)
- Magenta (29%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 182, 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, 182, 178 by changing the saturation by 10% instead.

 102, 182, 178


255, 255, 255


 154, 238, 231


 181, 255, 247

 209, 255, 246

 238, 255, 246

 102, 182, 178

 77, 155, 153

 51, 126, 128

 19, 94, 103


 0, 75, 78


 0, 54, 54

 0, 34, 34

 0, 0, 0

 102, 182, 178

 84, 182, 177

 102, 182, 178

 120, 182, 179

■ 66, 182, 177

■ 138, 182, 179

■ 47, 182, 175

■ 157, 182, 181

■ 29, 182, 174

■ 175, 182, 182

■ 11, 182, 173

■ 192, 182, 193

■ 0, 182, 173

■ 210, 182, 211

■ 227, 182, 229

■ 244, 182, 248

■ 255, 182, 255

Harmonies

Analogous

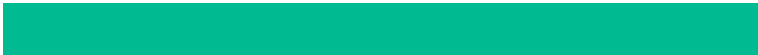
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72, 172, 83



102, 182, 178



0, 105, 187

Triad

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



102, 182, 178



0, 103, 255



252, 126, 135

Complementary

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



102, 182, 178



178, 102, 182

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, 126, 183



102, 182, 178



142, 157, 253

Square

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



102, 182, 178



0, 103, 236



207, 140, 226



238, 159, 94

Rectangle

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



102, 182, 178



0, 96, 188



207, 140, 226



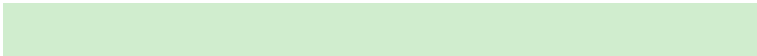
252, 124, 151

Sweetspot

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



102, 182, 178



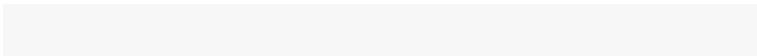
206, 237, 235



106, 182, 102



101, 120, 119



247, 247, 247



120, 120, 120

Same Dimension

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



102, 182, 178



111, 237, 230



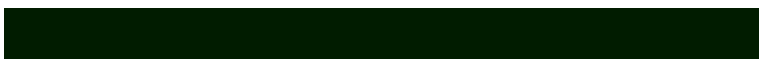
102, 157, 182



83, 92, 92



0, 156, 148



0, 28, 27

Inverse Universe

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



178, 102, 182



231, 111, 237



182, 102, 146



91, 83, 92



148, 0, 156



27, 0, 28

Previews

White Background



This preview shows how the RYB color 102, 182, 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, 182, 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, 182, 178 Background



This preview shows how black text looks on a background with the RYB color 102, 182, 178.

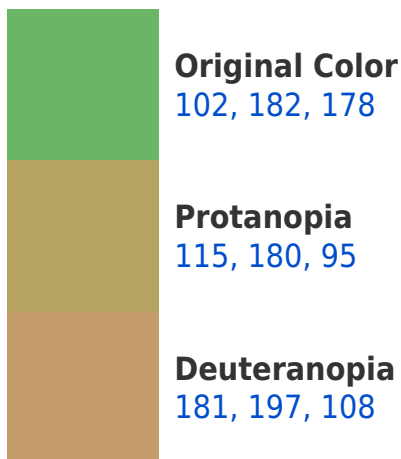


This preview shows how white text looks on a background with the RYB color 102, 182, 178.

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
122, 150, 186

Trichromacy



Original Color

102, 182, 178



Protanomaly

98, 171, 116



Deuteranomaly

106, 166, 108



Tritanomaly

116, 152, 176

Monochromacy



Original Color

102, 182, 178



Achromatopsia

150, 150, 150



Achromatomaly

133, 162, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 182, 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(106, 182, 102)` looks like.

```
.text, #text, p{  
    color:rgb(106, 182, 102)  
}
```

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(106, 182, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 182, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 182, 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(106, 182, 102) }
```

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

```
.border{ border-color:rgb(106, 182, 102) }
```

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

Here you see how a box with a 4 pixel rgb(106, 182, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 182, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 182, 102);  
box-shadow:4px 4px 4px 4px rgb(106, 182,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 182, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 182, 102) }
```

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

```
.background{ background-color: rgb(106,  
182, 102) }
```

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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