

Converting Colors

`RYB(56, 118, 178)`

Have a look what the booklet for
RYB(56, 118, 178) contains.

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Color

$\text{RYB}(56, 118, 178)$

Conversions

Conversions Part 1

Format	Color
Hex	38B2AE
RGB	56, 178, 174
RGB Percent	22%, 70%, 68%
CMY	0.7804, 0.3020, 0.3174
CMYK	0.69, 0.00, 0.02, 0.30
HSL	178°, 52%, 46%
HSV	178°, 69%, 70%
XYZ	25.1976, 35.7401, 45.6479
YIQ	141.0660, -71.4280, -27.1080

Conversions

Conversions Part 2

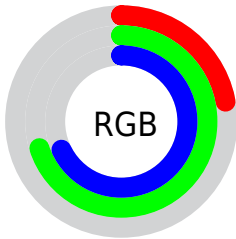
Format	Color
R _{YB}	56, 118, 178
Decimal	3715758
CIE Lab	66.32, -33.63, -7.75
CIE LCh	66, 34.513, 192.984
Yxy	35.7401, 0.2364, 0.3353
Android (android.graphics.Color)	4281905838 (0xFF38B2AE)
YUV	141.0660, 16.2365, -74.6029
Hunter-Lab	59.7830, -29.3854, -3.4233

Details

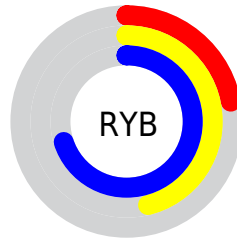
The RYB color **56, 118, 178** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **178, 56, 60**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **120, 178, 234**, and **0, 63, 125** is the 20% darker color. If you saturate the color by 10%, you get **38, 109, 178**, and if you desaturate by 10%, it is **74, 127, 178**.

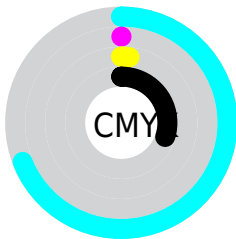
Distribution



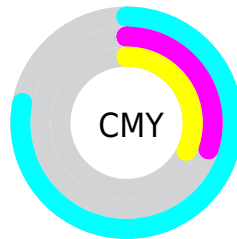
- Red (22%)
- Green (70%)
- Blue (68%)



- Red (22%)
- Yellow (46%)
- Blue (70%)



- Cyan (69%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)




- Cyan (78%)
- Magenta (30%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the RYB color 56, 118, 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 56, 118, 178 by changing the saturation by 10% instead.

 56, 118, 178

255, 255, 255


 120, 178, 234

 150, 203, 255

 179, 217, 255

 209, 232, 255


 239, 247, 255

 56, 118, 178


 0, 77, 151

 0, 63, 125

 0, 50, 99


 0, 38, 75


 0, 26, 51

 0, 16, 31

 0, 0, 3

 0, 0, 0

 56, 118, 178

 56, 118, 178

■ 38, 109, 178

■ 74, 127, 178

■ 20, 100, 178

■ 92, 136, 178

■ 3, 92, 178

■ 109, 144, 178

■ 0, 91, 178

■ 127, 153, 178

■ 145, 162, 178

■ 163, 171, 178

■ 181, 178, 178

■ 198, 178, 179

■ 216, 178, 179

Harmonies

Analogous

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



96, 148, 177



56, 118, 178



44, 116, 203

Triad

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



56, 118, 178



182, 148, 207



184, 197, 102

Complementary

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



56, 118, 178



178, 56, 60

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.



217, 150, 120



56, 118, 178



211, 140, 180

Square

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



56, 118, 178



139, 156, 221



222, 138, 149



105, 169, 100

Rectangle

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



56, 118, 178



71, 131, 216



222, 138, 149



205, 184, 107

Sweetspot

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



56, 118, 178



183, 208, 232



56, 178, 174



88, 103, 117



245, 245, 245



117, 117, 117

Same Dimension

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



56, 118, 178



42, 139, 232



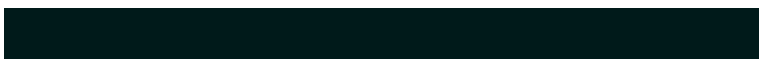
56, 98, 178



80, 85, 89



0, 78, 153



0, 13, 26

Inverse Universe

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



178, 56, 60



232, 42, 48



178, 163, 56



89, 80, 81



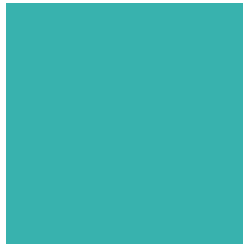
153, 0, 5



26, 0, 1

Previews

White Background



This preview shows how the RYB color 56, 118, 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 56, 118, 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](#).

R Y B 56, 118, 178 Background



This preview shows how black text looks on a background with the R Y B color 56, 118, 178.

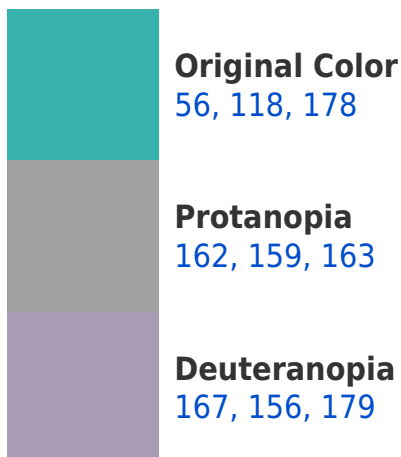


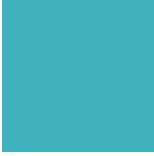
This preview shows how white text looks on a background with the R Y B color 56, 118, 178.

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
65, 124, 190

Trichromacy



Original Color

56, 118, 178



Protanomaly

123, 145, 167



Deuteranomaly

127, 148, 177



Tritanomaly

62, 121, 184

Monochromacy



Original Color

56, 118, 178



Achromatopsia

141, 141, 141



Achromatomaly

110, 132, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 56, 118, 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(56, 178, 174)` looks like.

```
.text, #text, p{  
    color:rgb(56, 178, 174)  
}
```

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(56, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 178, 174) }
```

Border

The CSS property to change the border of an element to RYB 56, 118, 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(56, 178, 174) }
```

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

```
.border{ border-color:rgb(56, 178, 174) }
```

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

Here you see how a box with a 4 pixel rgb(56, 178, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(56, 178,  
174) }
```

Background

The CSS property to change the background color of an element to RYB 56, 118, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 178, 174) }
```

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

```
.background{ background-color: rgb(56, 178,  
174) }
```

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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