

Converting Colors

`RYB(56, 117, 181)`

Have a look what the booklet for RYB(56, 117, 181) contains.

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Color

RYB(56, 117, 181)

Conversions

Conversions Part 1

Format	Color
Hex	38AFB5
RGB	56, 175, 181
RGB Percent	22%, 69%, 71%
CMY	0.7804, 0.3132, 0.2902
CMYK	0.69, 0.03, 0.00, 0.29
HSL	183°, 53%, 46%
HSV	183°, 69%, 71%
XYZ	25.3287, 34.8917, 49.1159
YIQ	140.1030, -72.8500, -23.3620

Conversions

Conversions Part 2

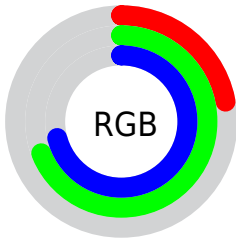
Format	Color
RYB	56, 117, 181
Decimal	3714997
CIELab	65.66, -30.24, -12.58
CIElCh	66, 32.758, 202.593
Yxy	34.8917, 0.2317, 0.3191
Android (android.graphics.Color)	4281905077 (0xFF38AFB5)
YUV	140.1030, 20.1622, -73.7583
Hunter-Lab	59.0692, -26.8306, -7.9511




Details

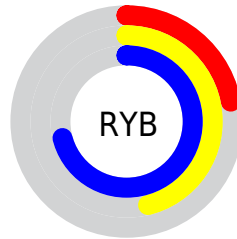
The RYB color **56, 117, 181** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **181, 62, 56**, and the grayscale version is **140, 140, 140**.




A 20% lighter version of the original color is **120, 177, 237**, and **0, 62, 128** is the 20% darker color. If you saturate the color by 10%, you get **38, 108, 181**, and if you desaturate by 10%, it is **74, 126, 181**.

Distribution







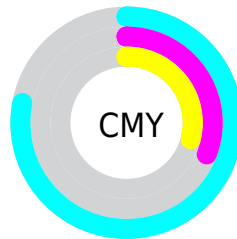
-  Red (22%)
-  Green (69%)
-  Blue (71%)






-  Red (22%)
-  Yellow (46%)
-  Blue (71%)



-  Cyan (69%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (29%)



-  Cyan (78%)
-  Magenta (31%)
-  Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 56, 117, 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 56, 117, 181 by changing the saturation by 10% instead.

■ 56, 117, 181

255, 255, 255

■ 120, 177, 237

■ 150, 203, 255

■ 180, 218, 255

■ 209, 232, 255

■ 240, 248, 255

■ 56, 117, 181

■ 0, 75, 154

■ 0, 62, 128

■ 0, 50, 103

■ 0, 38, 79

■ 0, 26, 56

■ 0, 16, 35

■ 0, 0, 12

■ 0, 0, 0

■ 56, 117, 181

■ 56, 117, 181

■ 38, 108, 181

■ 74, 126, 181

■ 20, 98, 181

■ 92, 135, 181

■ 2, 89, 181

■ 110, 145, 181

■ 0, 88, 181

■ 128, 154, 181

■ 147, 163, 181

■ 165, 173, 181

■ 183, 181, 181

■ 201, 182, 181

■ 219, 183, 181

Harmonies

Analogous

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



87, 138, 175



56, 117, 181



64, 125, 205

Triad

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



56, 117, 181



190, 144, 195



150, 186, 101

Complementary

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



56, 117, 181



181, 62, 56

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.



208, 160, 114



56, 117, 181



212, 138, 168

Square

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



56, 117, 181



153, 155, 214



217, 138, 138



104, 165, 112

Rectangle

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



56, 117, 181



91, 138, 215



217, 138, 138



183, 194, 104

Sweetspot

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



56, 117, 181



185, 209, 235



56, 177, 181



88, 102, 117



245, 245, 245



117, 117, 117

Same Dimension

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



56, 117, 181



40, 135, 235



56, 96, 181



80, 85, 89



0, 75, 153



0, 12, 26

Inverse Universe

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



181, 56, 175



235, 40, 225



164, 181, 56



89, 80, 89



153, 0, 146



26, 0, 24

Previews

White Background



This preview shows how the RYB color 56, 117, 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 56, 117, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

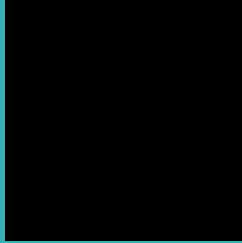
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

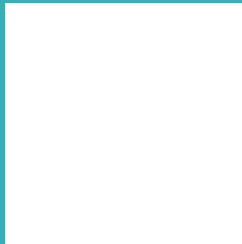
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 56, 117, 181 Background



This preview shows how black text looks on a background with the RYB color 56, 117, 181.

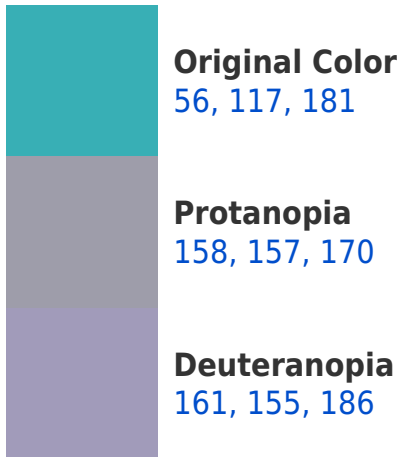


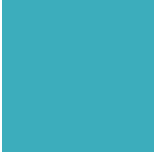
This preview shows how white text looks on a background with the RYB color 56, 117, 181.

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
60, 120, 188

Trichromacy



Original Color

56, 117, 181



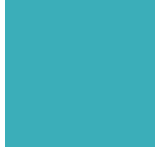
Protanomaly

121, 145, 174



Deuteranomaly

123, 147, 184



Tritanomaly

59, 119, 185

Monochromacy



Original Color

56, 117, 181



Achromatopsia

140, 140, 140



Achromatomaly

109, 131, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 56, 117, 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(56, 175, 181)` looks like.

```
.text, #text, p{  
    color:rgb(56, 175, 181)  
}
```

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, 175, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 175, 181) }
```

Border

The CSS property to change the border of an element to RYB 56, 117, 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(56, 175, 181) }
```

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

```
.border{ border-color:rgb(56, 175, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 175, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 175, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 175, 181);  
box-shadow:4px 4px 4px 4px rgb(56, 175,  
181) }
```

Background

The CSS property to change the background color of an element to RGB 56, 175, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 175, 181) }
```

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

```
.background{ background-color: rgb(56, 175,  
181) }
```

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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