

Converting Colors

`RYB(55, 118, 180)`

Have a look what the booklet for
RYB(55, 118, 180) contains.

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Color

$\text{RYB}(55, 118, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	37B4B2
RGB	55, 180, 178
RGB Percent	22%, 71%, 70%
CMY	0.7843, 0.2941, 0.3019
CMYK	0.69, 0.00, 0.01, 0.29
HSL	179°, 53%, 46%
HSV	179°, 69%, 71%
XYZ	25.9343, 36.6697, 47.8389
YIQ	142.3970, -73.8580, -27.1220

Conversions

Conversions Part 2

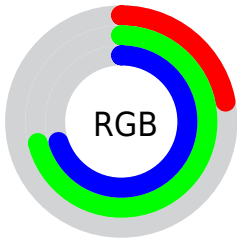
Format	Color
RYB	55, 118, 180
Decimal	3650738
CIELab	67.03, -33.58, -8.89
CIElCh	67, 34.738, 194.831
Yxy	36.6697, 0.2348, 0.3320
Android (android.graphics.Color)	4281840818 (0xFF37B4B2)
YUV	142.3970, 17.5523, -76.6472
Hunter-Lab	60.5555, -29.5255, -4.4503

Details

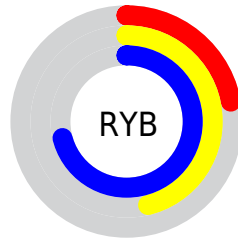
The RYB color **55, 118, 180** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **180, 55, 57**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **120, 179, 236**, and **0, 64, 127** is the 20% darker color. If you saturate the color by 10%, you get **37, 109, 180**, and if you desaturate by 10%, it is **73, 127, 180**.

Distribution



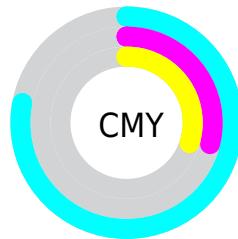
- Red (22%)
- Green (71%)
- Blue (70%)



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



- Cyan (69%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



















- Cyan (78%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 55, 118, 180 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 55, 118, 180 by changing the saturation by 10% instead.

 55, 118, 180	 55, 118, 180
 255, 255, 255	 0, 77, 153
 120, 179, 236	 0, 64, 127
 150, 203, 255	 0, 51, 101
 179, 217, 255	 0, 38, 77
 209, 232, 255	 0, 27, 54
 240, 248, 255	 0, 17, 33
	 0, 0, 9
	 0, 0, 0

 55, 118, 180  55, 118, 180

■ 37, 109, 180

■ 73, 127, 180

■ 19, 100, 180

■ 91, 136, 180

■ 1, 91, 180

■ 109, 145, 180

■ 0, 91, 180

■ 127, 154, 180

■ 145, 163, 180

■ 163, 172, 180

■ 181, 180, 180

■ 199, 180, 180

■ 217, 180, 181

Harmonies

Analogous

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



95, 147, 179



55, 118, 180



47, 119, 206

Triad

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



55, 118, 180



186, 149, 208



178, 198, 103

Complementary

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



55, 118, 180



180, 55, 57

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.



218, 154, 120



55, 118, 180



214, 141, 180

Square

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



55, 118, 180



144, 158, 223



225, 139, 149



105, 169, 102

Rectangle

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



55, 118, 180



75, 133, 219



225, 139, 149



206, 190, 107

Sweetspot

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



55, 118, 180



185, 210, 235



55, 180, 178



88, 103, 117



245, 245, 245



117, 117, 117

Same Dimension

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



55, 118, 180



40, 138, 235



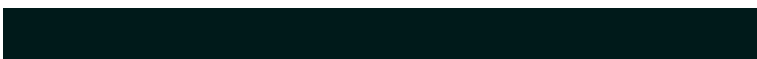
55, 98, 180



80, 85, 89



0, 77, 153



0, 13, 26

Inverse Universe

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



180, 55, 57



235, 40, 43



180, 170, 55



89, 80, 80



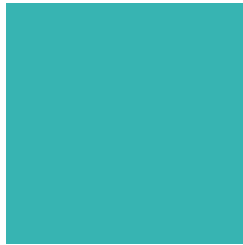
153, 0, 2



26, 0, 0

Previews

White Background



This preview shows how the RYB color 55, 118, 180 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 55, 118, 180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

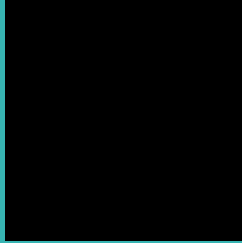
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

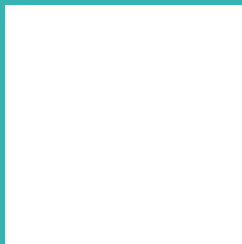
Any Text WCAG AAA ✓ Pass

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

RYB 55, 118, 180 Background



This preview shows how black text looks on a background with the RYB color 55, 118, 180.

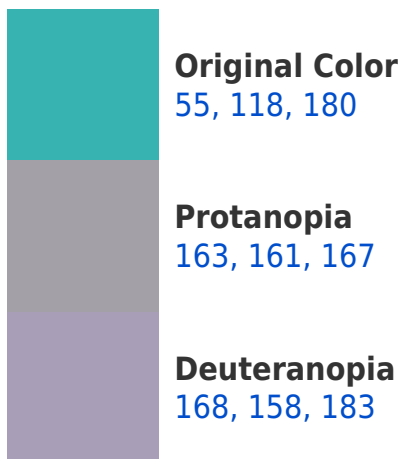


This preview shows how white text looks on a background with the RYB color 55, 118, 180.

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
63, 124, 192

Trichromacy



Original Color

55, 118, 180



Protanomaly

124, 147, 171



Deuteranomaly

127, 150, 181



Tritanomaly

60, 121, 187

Monochromacy



Original Color

55, 118, 180



Achromatopsia

142, 142, 142



Achromatomaly

110, 133, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 55, 118, 180 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(55, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(55, 180, 178)  
}
```

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(55, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 180, 178) }
```

Border

The CSS property to change the border of an element to RYB 55, 118, 180 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(55, 180, 178) }
```

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

```
.border{ border-color:rgb(55, 180, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(55, 180,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 55, 118, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 180, 178) }
```

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

```
.background{ background-color: rgb(55, 180,  
178) }
```

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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