

Converting Colors

`RYB(55, 138, 183)`

Have a look what the booklet for
RYB(55, 138, 183) contains.

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Color

`RYB(55, 138, 183)`

Conversions

Conversions Part 1

Format	Color
Hex	37B77C
RGB	55, 183, 124
RGB Percent	22%, 72%, 49%
CMY	0.7843, 0.2824, 0.5122
CMYK	0.70, 0.00, 0.32, 0.28
HSL	153°, 54%, 47%
HSV	153°, 70%, 72%
XYZ	22.1723, 36.1445, 25.0089
YIQ	138.0020, -57.3490, -45.4850

Conversions

Conversions Part 2

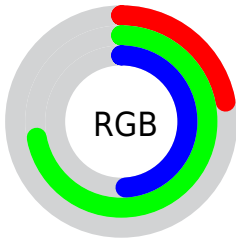
Format	Color
RYB	55, 138, 183
Decimal	3651452
CIELab	66.63, -48.37, 19.98
CIElCh	67, 52.335, 157.553
Yxy	36.1445, 0.2661, 0.4338
Android (android.graphics.Color)	4281841532 (0xFF37B77C)
YUV	138.0020, -6.9030, -72.7928
Hunter-Lab	60.1203, -39.3799, 17.4207

Details

The RYB color **55, 138, 183** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **183, 55, 114**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **118, 200, 240**, and **0, 82, 129** is the 20% darker color. If you saturate the color by 10%, you get **37, 132, 183**, and if you desaturate by 10%, it is **73, 144, 183**.

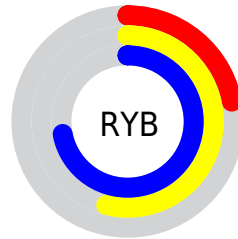
Distribution



Red (22%)

Green (72%)

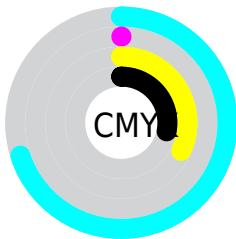
Blue (49%)



Red (22%)

Yellow (54%)

Blue (72%)

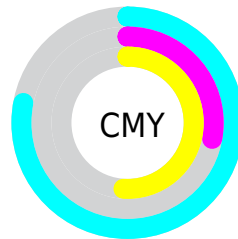


Cyan (70%)

Magenta (0%)

Yellow (32%)

Black (28%)



Cyan (78%)

Magenta (28%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 55, 138, 183 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, 138, 183 by changing the saturation by 10% instead.



55, 138, 183



55, 138, 183

255, 255, 255



2, 96, 156



118, 200, 240



0, 82, 129



147, 217, 255



0, 68, 103



176, 222, 255



0, 56, 78



206, 231, 255



0, 48, 54



236, 246, 255



0, 31, 31



0, 0, 0



55, 138, 183



55, 138, 183



37, 132, 183



73, 144, 183

■ 18, 125, 183

■ 92, 151, 183

■ 0, 119, 183

■ 110, 157, 183

■ 128, 164, 183

■ 147, 171, 183

■ 165, 177, 183

■ 183, 183, 183

■ 201, 183, 191

■ 220, 183, 200

Harmonies

Analogous

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



84, 176, 132



55, 138, 183



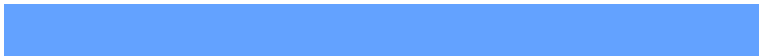
0, 96, 186

Triad

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



55, 138, 183



99, 144, 255



244, 135, 107

Complementary

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



55, 138, 183



183, 55, 114

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.



249, 121, 152



55, 138, 183



181, 145, 237

Square

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



55, 138, 183



0, 103, 248



229, 128, 199



214, 218, 74

Rectangle

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



55, 138, 183



0, 97, 204



229, 128, 199



248, 125, 121

Sweetspot

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



55, 138, 183



187, 219, 237



55, 183, 123



90, 110, 120



247, 247, 247



120, 120, 120

Same Dimension

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



55, 138, 183



38, 167, 237



55, 118, 183



83, 89, 92



0, 101, 156



0, 18, 28

Inverse Universe

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



183, 55, 114



237, 38, 129



183, 59, 55



92, 83, 87



156, 0, 71



28, 0, 13

Previews

White Background



This preview shows how the RYB color 55, 138, 183 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, 138, 183 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, 138, 183 Background



This preview shows how black text looks on a background with the RYB color 55, 138, 183.

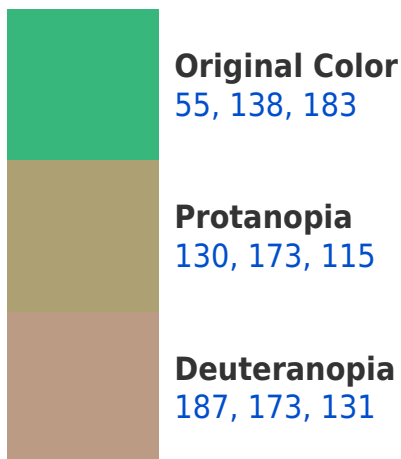



This preview shows how white text looks on a background with the RYB color 55, 138, 183.

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
81, 131, 189

Trichromacy



Original Color

55, 138, 183



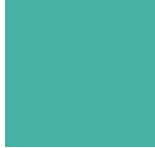
Protanomaly

118, 169, 157



Deuteranomaly

129, 165, 155



Tritanomaly

72, 128, 178

Monochromacy



Original Color

55, 138, 183



Achromatopsia

138, 138, 138



Achromatomaly

108, 138, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 55, 138, 183 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, 183, 124)` looks like.

```
.text, #text, p{  
    color:rgb(55, 183, 124)  
}
```

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, 183, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 183, 124) }
```

Border

The CSS property to change the border of an element to RYB 55, 138, 183 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, 183, 124) }
```

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

```
.border{ border-color:rgb(55, 183, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 183, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 183, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 183, 124);  
box-shadow:4px 4px 4px 4px rgb(55, 183,  
124) }
```

Background

The CSS property to change the background color of an element to RGB 55, 138, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 138, 183) }
```

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

```
.background{ background-color: rgb(55, 138,  
124) }
```

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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