

Converting Colors

`RYB(55, 118, 204)`

Have a look what the booklet for
RYB(55, 118, 204) contains.

RYB(55, 118, 204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(55, 118, 204)`

Conversions

Conversions Part 1

Format	Color
Hex	37A4CC
RGB	55, 164, 204
RGB Percent	22%, 64%, 80%
CMY	0.7843, 0.3563, 0.2000
CMYK	0.73, 0.20, 0.00, 0.20
HSL	196°, 59%, 51%
HSV	196°, 73%, 80%
XYZ	25.7772, 31.7769, 61.9017
YIQ	135.9690, -77.8040, -10.6680

Conversions

Conversions Part 2

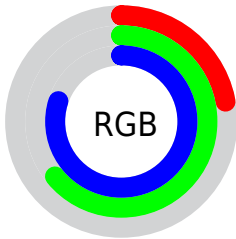
Format	Color
RYB	55, 118, 204
Decimal	3646668
CIELab	63.16, -17.55, -29.20
CIELCh	63, 34.073, 238.991
Yxy	31.7769, 0.2158, 0.2660
Android (android.graphics.Color)	4281836748 (0xFF37A4CC)
YUV	135.9690, 33.5393, -71.0098
Hunter-Lab	56.3710, -17.0254, -25.6474

Details

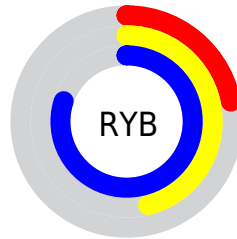
The RYB color **55, 118, 204** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **204, 110, 55**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **121, 178, 255**, and **0, 64, 150** is the 20% darker color. If you saturate the color by 10%, you get **35, 107, 204**, and if you desaturate by 10%, it is **75, 130, 204**.

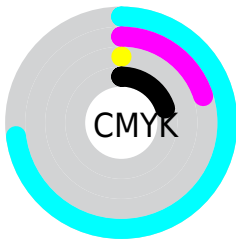
Distribution



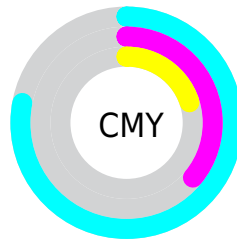
- Red (22%)
- Green (64%)
- Blue (80%)



- Red (22%)
- Yellow (46%)
- Blue (80%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)





















- Cyan (78%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 55, 118, 204 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, 204 by changing the saturation by 10% instead.

 55, 118, 204	 55, 118, 204
 255, 255, 255	 0, 77, 176
 121, 178, 255	 0, 64, 150
 151, 201, 255	 0, 51, 124
 181, 218, 255	 0, 39, 99
 212, 234, 255	 0, 27, 75
 242, 249, 255	 0, 15, 52
	 0, 2, 30
	 0, 0, 0
 55, 118, 204	 55, 118, 204

■ 35, 107, 204

■ 75, 130, 204

■ 14, 94, 204

■ 96, 142, 204

■ 0, 86, 204

■ 116, 153, 204

■ 137, 165, 204

■ 157, 177, 204

■ 177, 188, 204

■ 198, 200, 204

■ 218, 210, 204

■ 239, 216, 204

Harmonies

Analogous

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



29, 102, 181



55, 118, 204



108, 141, 213

Triad

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



55, 118, 204



209, 129, 155



99, 160, 117

Complementary

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



55, 118, 204



204, 110, 55

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.



124, 174, 92



55, 118, 204



211, 133, 125

Square

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



55, 118, 204



190, 135, 185



198, 165, 102



107, 155, 166

Rectangle

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



55, 118, 204



140, 148, 210



198, 165, 102



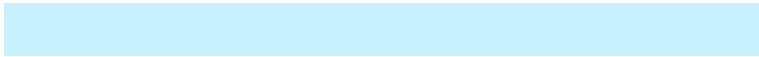
95, 157, 98

Sweetspot

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



55, 118, 204



199, 223, 255



55, 172, 204



94, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



55, 118, 204



31, 126, 255



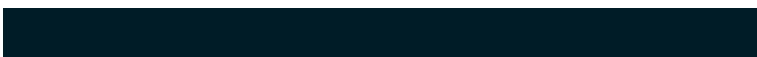
55, 83, 204



92, 96, 102



0, 70, 166



0, 16, 38

Inverse Universe

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



204, 55, 164



255, 31, 195



101, 204, 55



102, 92, 99



166, 0, 121



38, 0, 28

Previews

White Background



This preview shows how the RYB color 55, 118, 204 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, 204 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, 204 Background



This preview shows how black text looks on a background with the RYB color 55, 118, 204.

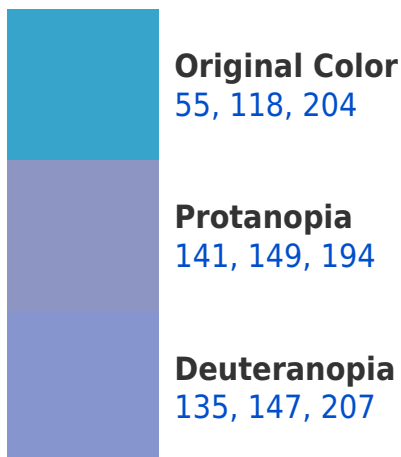


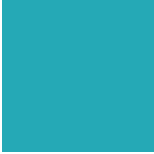
This preview shows how white text looks on a background with the RYB color 55, 118, 204.

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
37, 106, 182

Trichromacy



Original Color
55, 118, 204

Protanomaly
110, 140, 198

Deuteranomaly
106, 139, 206

Tritanomaly
44, 111, 190

Monochromacy



Original Color
55, 118, 204

Achromatopsia
136, 136, 136

Achromatomaly
107, 130, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 55, 118, 204 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, 164, 204)` looks like.

```
.text, #text, p{  
    color:rgb(55, 164, 204)  
}
```

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, 164, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 164, 204) }
```

Border

The CSS property to change the border of an element to RYB 55, 118, 204 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, 164, 204) }
```

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

```
.border{ border-color:rgb(55, 164, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 164, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 164, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 164, 204);  
box-shadow:4px 4px 4px 4px rgb(55, 164,  
204) }
```

Background

The CSS property to change the background color of an element to RYB 55, 118, 204 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 164, 204) }
```

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

```
.background{ background-color: rgb(55, 164,  
204) }
```

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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