

Converting Colors

`RYB(55, 123, 161)`

Have a look what the booklet for
RYB(55, 123, 161) contains.

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Color

`RYB(55, 123, 161)`

Conversions

Conversions Part 1

Format	Color
Hex	37A172
RGB	55, 161, 114
RGB Percent	22%, 63%, 45%
CMY	0.7843, 0.3686, 0.5520
CMYK	0.66, 0.00, 0.29, 0.37
HSL	154°, 49%, 42%
HSV	154°, 66%, 63%
XYZ	17.3711, 27.5222, 20.3867
YIQ	123.9480, -48.0890, -37.0890

Conversions

Conversions Part 2

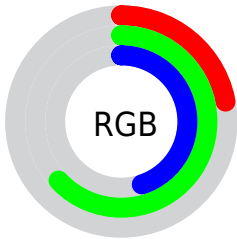
Format	Color
RYB	55, 123, 161
Decimal	3645810
CIELab	59.45, -41.49, 15.68
CIElCh	59, 44.350, 159.300
Yxy	27.5222, 0.2661, 0.4216
Android (android.graphics.Color)	4281835890 (0xFF37A172)
YUV	123.9480, -4.9044, -60.4674
Hunter-Lab	52.4616, -32.7030, 13.6830

Details

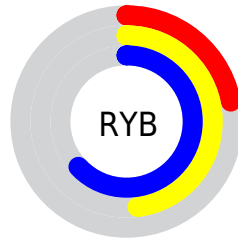
The RYB color **55, 123, 161** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **161, 55, 102**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **114, 182, 217**, and **0, 67, 108** is the 20% darker color. If you saturate the color by 10%, you get **39, 117, 161**, and if you desaturate by 10%, it is **71, 129, 161**.

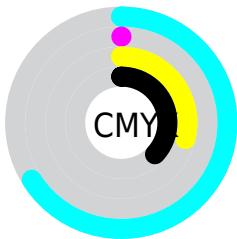
Distribution



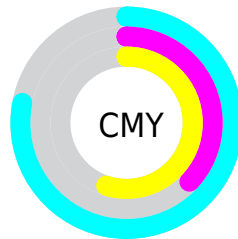
- Red (22%)
- Green (63%)
- Blue (45%)



- Red (22%)
- Yellow (48%)
- Blue (63%)



- Cyan (66%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)





















- Cyan (78%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 55, 123, 161 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, 123, 161 by changing the saturation by 10% instead.

 55, 123, 161	 55, 123, 161
 255, 255, 255	 15, 88, 134
 114, 182, 217	 0, 67, 108
 142, 211, 245	 0, 54, 83
 171, 224, 255	 0, 43, 59
 199, 228, 255	 0, 39, 39
 229, 242, 255	 0, 0, 0

 55, 123, 161	 55, 123, 161
 39, 117, 161	 71, 129, 161
 23, 112, 161	 87, 135, 161

■ 7, 106, 161

■ 103, 140, 161

■ 0, 103, 161

■ 119, 146, 161

■ 136, 152, 161

■ 152, 158, 161

■ 168, 161, 164

■ 184, 161, 171

■ 200, 161, 178

Harmonies

Analogous

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



81, 155, 123



55, 123, 161



0, 84, 163

Triad

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



55, 123, 161



99, 131, 220



211, 123, 96

Complementary

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



55, 123, 161



161, 55, 102

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.



216, 110, 132



55, 123, 161



162, 128, 204

Square

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



55, 123, 161



0, 90, 216



201, 115, 172



183, 189, 70

Rectangle

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



55, 123, 161



0, 85, 180



201, 115, 172



215, 114, 107

Sweetspot

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



55, 123, 161



167, 194, 209



55, 161, 113



79, 96, 105



232, 232, 232



105, 105, 105

Same Dimension

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



55, 123, 161



44, 150, 209



55, 107, 161



73, 79, 82



0, 93, 145



0, 12, 18

Inverse Universe

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



161, 55, 102



209, 44, 117



161, 60, 55



82, 73, 77



145, 0, 64



18, 0, 8

Previews

White Background



This preview shows how the RYB color 55, 123, 161 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 123, 161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

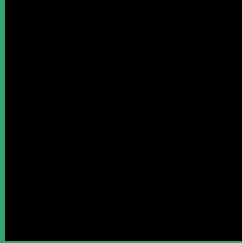
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 55, 123, 161 Background



This preview shows how black text looks on a background with the RYB color 55, 123, 161.

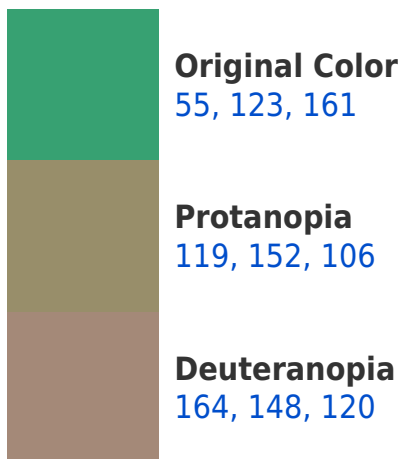


This preview shows how white text looks on a background with the RYB color 55, 123, 161.

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
75, 118, 167

Trichromacy



Original Color

55, 123, 161



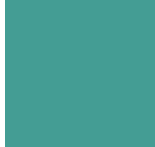
Protanomaly

109, 149, 141



Deuteranomaly

118, 146, 140



Tritanomaly

68, 115, 157

Monochromacy



Original Color

55, 123, 161



Achromatopsia

124, 124, 124



Achromatomaly

99, 123, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 55, 123, 161 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, 161, 114)` looks like.

```
.text, #text, p{  
    color:rgb(55, 161, 114)  
}
```

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, 161, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 161, 114) }
```

Border

The CSS property to change the border of an element to RYB 55, 123, 161 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, 161, 114) }
```

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

```
.border{ border-color:rgb(55, 161, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 161, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 161, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 161, 114);  
box-shadow:4px 4px 4px 4px rgb(55, 161,  
114) }
```

Background

The CSS property to change the background color of an element to RYB 55, 123, 161 is called "background".

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

```
.background, #background, body{  
background: rgb(55, 161, 114) }
```

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

```
.background{ background-color: rgb(55, 161,  
114) }
```

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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