

Converting Colors

`RYB(56, 152, 121)`

Have a look what the booklet for
RYB(56, 152, 121) contains.

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Color

R_YB(56, 152, 121)

Conversions

Conversions Part 1

Format	Color
Hex	579838
RGB	87, 152, 56
RGB Percent	34%, 60%, 22%
CMY	0.6588, 0.4039, 0.7804
CMYK	0.43, 0.00, 0.63, 0.40
HSL	101°, 46%, 41%
HSV	101°, 63%, 60%
XYZ	15.8725, 24.7682, 7.6856
YIQ	121.6210, -7.9240, -43.6360

Conversions

Conversions Part 2

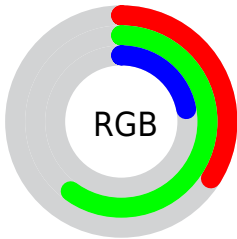
Format	Color
RYB	56, 152, 121
Decimal	5740600
CIELab	56.85, -38.66, 42.95
CIElCh	57, 57.785, 131.994
Yxy	24.7682, 0.3284, 0.5125
Android (android.graphics.Color)	4283930680 (0xFF579838)
YUV	121.6210, -32.3512, -30.3626
Hunter-Lab	49.7677, -30.1640, 25.6813

Details

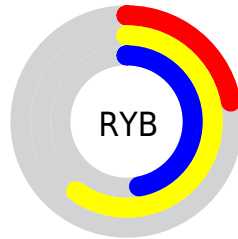
The RYB color **56, 152, 121** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **121, 56, 152**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **107, 207, 173**, and **0, 100, 69** is the 20% darker color. If you saturate the color by 10%, you get **41, 152, 116**, and if you desaturate by 10%, it is **71, 152, 126**.

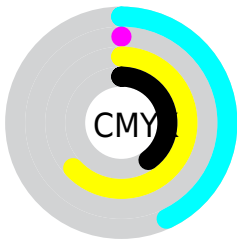
Distribution



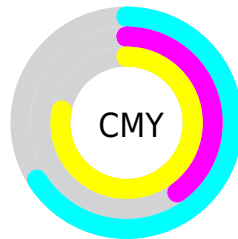
- Red (34%)
- Green (60%)
- Blue (22%)



- Red (22%)
- Yellow (60%)
- Blue (47%)



- Cyan (43%)
- Magenta (0%)
- Yellow (63%)
- Black (40%)



- Cyan (66%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the RYB color 56, 152, 121 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, 152, 121 by changing the saturation by 10% instead.



56, 152, 121



56, 152, 121

255, 255, 255



30, 126, 96



107, 207, 173



0, 100, 69



133, 235, 199



0, 76, 76



160, 255, 218



0, 52, 52



188, 255, 217



0, 32, 32



216, 255, 216



0, 0, 0



245, 255, 245



56, 152, 121



56, 152, 121



41, 152, 116



71, 152, 126

■ 26, 152, 112

■ 86, 152, 130

■ 10, 152, 106

■ 102, 152, 136

■ 0, 152, 103

■ 117, 152, 141

■ 132, 152, 146

■ 147, 152, 150

■ 159, 152, 162

■ 169, 152, 178

■ 180, 152, 193

Harmonies

Analogous

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



26, 143, 23



56, 152, 121



0, 96, 158

Triad

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



56, 152, 121



0, 91, 232



228, 88, 118

Complementary

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



56, 152, 121



121, 56, 152

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.



212, 94, 169



56, 152, 121



71, 117, 235

Square

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



56, 152, 121



0, 89, 203



165, 114, 212



217, 110, 71

Rectangle

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



56, 152, 121



0, 86, 160



165, 114, 212



226, 88, 135

Sweetspot

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



56, 152, 121



159, 196, 184



104, 152, 56



77, 99, 92



227, 227, 227



99, 99, 99

Same Dimension

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



56, 152, 121



47, 196, 148



56, 138, 152



69, 77, 75



0, 140, 95



0, 13, 9

Inverse Universe

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



121, 56, 152



148, 47, 196



152, 56, 136



74, 69, 77



95, 0, 140



9, 0, 13

Previews

White Background



This preview shows how the RYB color 56, 152, 121 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 56, 152, 121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

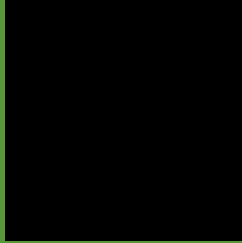
Any Text WCAG AA ✓ Pass

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 56, 152, 121 Background



This preview shows how black text looks on a background with the RYB color 56, 152, 121.



This preview shows how white text looks on a background with the RYB color 56, 152, 121.

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



Original Color

56, 152, 121

Protanopia

69, 151, 51

Deuteranopia

125, 168, 63



Tritanopia
103, 125, 154

Trichromacy



Original Color

56, 152, 121



Protanomaly

53, 142, 67



Deuteranomaly

62, 139, 60



Tritanomaly

97, 131, 146

Monochromacy



Original Color

56, 152, 121



Achromatopsia

122, 122, 122



Achromatomaly

98, 133, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 56, 152, 121 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(87, 152, 56)` looks like.

```
.text, #text, p{  
    color:rgb(87, 152, 56)  
}
```

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(87, 152, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 152, 56) }
```

Border

The CSS property to change the border of an element to RYB 56, 152, 121 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(87, 152, 56) }
```

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

```
.border{ border-color:rgb(87, 152, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 152, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 152, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 152, 56);  
box-shadow:4px 4px 4px 4px rgb(87, 152,  
56) }
```

Background

The CSS property to change the background color of an element to RYB 56, 152, 121 is called "background".

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

```
.background, #background, body{  
background: rgb(87, 152, 56) }
```

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

```
.background{ background-color: rgb(87, 152,  
56) }
```

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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