

Converting Colors

`RYB(56, 108, 151)`

Have a look what the booklet for
RYB(56, 108, 151) contains.

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Color

R_YB(56, 108, 151)

Conversions

Conversions Part 1

Format	Color
Hex	389787
RGB	56, 151, 135
RGB Percent	22%, 59%, 53%
CMY	0.7804, 0.4078, 0.4723
CMYK	0.63, 0.00, 0.11, 0.41
HSL	170°, 46%, 41%
HSV	170°, 63%, 59%
XYZ	17.0396, 24.7108, 26.6303
YIQ	120.7710, -51.4840, -25.1160

Conversions

Conversions Part 2

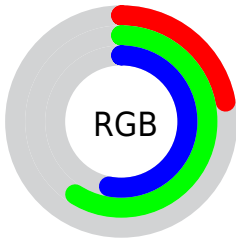
Format	Color
RYB	56, 108, 151
Decimal	3708807
CIELab	56.79, -31.83, 0.43
CIELCh	57, 31.832, 179.226
Yxy	24.7108, 0.2492, 0.3614
Android (android.graphics.Color)	4281898887 (0xFF389787)
YUV	120.7710, 7.0149, -56.8042
Hunter-Lab	49.7100, -25.8062, 3.0345

Details

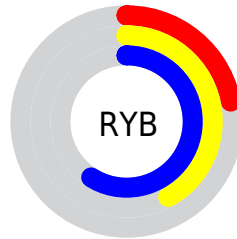
The RYB color **56, 108, 151** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **151, 56, 72**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **114, 165, 206**, and **0, 53, 99** is the 20% darker color. If you saturate the color by 10%, you get **41, 101, 151**, and if you desaturate by 10%, it is **71, 115, 151**.

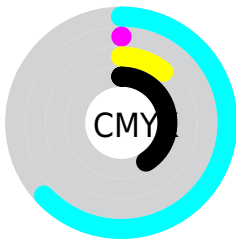
Distribution



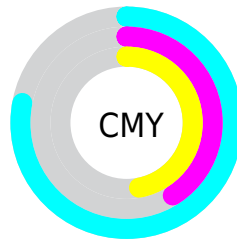
- Red (22%)
- Green (59%)
- Blue (53%)



- Red (22%)
- Yellow (42%)
- Blue (59%)



- Cyan (63%)
- Magenta (0%)
- Yellow (11%)
- Black (41%)



- Cyan (78%)
- Magenta (41%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 56, 108, 151 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, 108, 151 by changing the saturation by 10% instead.



56, 108, 151



56, 108, 151

255, 255, 255



19, 76, 125



114, 165, 206



0, 53, 99



142, 193, 234



0, 41, 75



170, 215, 255



0, 29, 51



199, 227, 255



0, 20, 32



228, 242, 255



0, 0, 0



56, 108, 151



56, 108, 151



41, 101, 151



71, 115, 151



26, 95, 151



86, 122, 151

■ 11, 88, 151

■ 101, 128, 151

■ 0, 83, 151

■ 116, 135, 151

■ 132, 142, 151

■ 147, 149, 151

■ 162, 151, 153

■ 177, 151, 155

■ 192, 151, 158

Harmonies

Analogous

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



93, 137, 148



56, 108, 151



18, 87, 162

Triad

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



56, 108, 151



138, 129, 185



177, 150, 89

Complementary

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



56, 108, 151



151, 56, 72

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.



189, 118, 111



56, 108, 151



171, 120, 165

Square

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



56, 108, 151



95, 125, 191



188, 115, 138



109, 155, 80

Rectangle

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



56, 108, 151



29, 95, 177



188, 115, 138



183, 134, 95

Sweetspot

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



56, 108, 151



159, 179, 196



56, 151, 134



77, 89, 99



227, 227, 227



99, 99, 99

Same Dimension

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



56, 108, 151



49, 129, 196



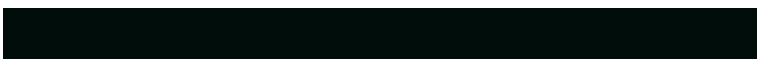
56, 95, 151



69, 74, 77



0, 77, 140



0, 7, 13

Inverse Universe

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



151, 56, 72



196, 49, 75



151, 100, 56



77, 69, 70



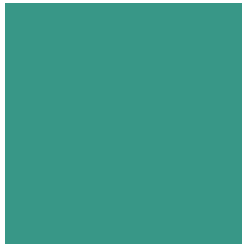
140, 0, 24



13, 0, 2

Previews

White Background



This preview shows how the RYB color 56, 108, 151 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, 108, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

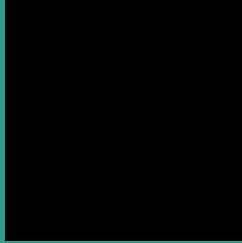
Any Text WCAG AA ✓ Pass

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](#).

R Y B 56, 108, 151 Background



This preview shows how black text looks on a background with the R Y B color 56, 108, 151.

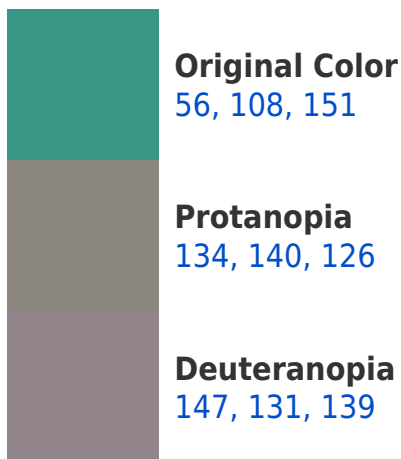


This preview shows how white text looks on a background with the R Y B color 56, 108, 151.

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
66, 109, 159

Trichromacy



Original Color

56, 108, 151



Protanomaly

109, 129, 141



Deuteranomaly

114, 126, 138



Tritanomaly

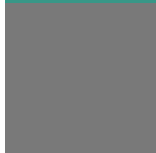
62, 105, 150

Monochromacy



Original Color

56, 108, 151



Achromatopsia

121, 121, 121



Achromatomaly

97, 116, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 56, 108, 151 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(56, 151, 135)` looks like.

```
.text, #text, p{  
    color:rgb(56, 151, 135)  
}
```

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(56, 151, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 151, 135) }
```

Border

The CSS property to change the border of an element to RYB 56, 108, 151 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(56, 151, 135) }
```

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

```
.border{ border-color:rgb(56, 151, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 151, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 151, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 151, 135);  
box-shadow:4px 4px 4px 4px rgb(56, 151,  
135) }
```

Background

The CSS property to change the background color of an element to RGB 56, 108, 151 is called "background".

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

```
.background, #background, body{  
background: rgb(56, 151, 135) }
```

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

```
.background{ background-color: rgb(56, 151,  
135) }
```

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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