

Converting Colors

`RYB(51, 102, 153)`

Have a look what the booklet for
RYB(51, 102, 153) contains.

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Color

`RYB(51, 102, 153)`

Conversions

Conversions Part 1

Format	Color
Hex	339999
RGB	51, 153, 153
RGB Percent	20%, 60%, 60%
CMY	0.8000, 0.4000, 0.4000
CMYK	0.67, 0.00, 0.00, 0.40
HSL	180°, 50%, 40%
HSV	180°, 67%, 60%
XYZ	18.5062, 25.7862, 34.1388
YIQ	122.5020, -60.7920, -21.6240

Conversions

Conversions Part 2

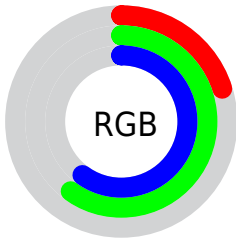
Format	Color
RYB	51, 102, 153
Decimal	3381657
CIELab	57.83, -28.45, -8.57
CIElCh	58, 29.712, 196.767
Yxy	25.7862, 0.2360, 0.3288
Android (android.graphics.Color)	4281571737 (0xFF339999)
YUV	122.5020, 15.0355, -62.7073
Hunter-Lab	50.7801, -23.8128, -4.3139

Details

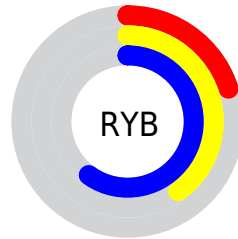
The RYB color **51, 102, 153** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **153, 51, 51**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **112, 160, 208**, and **0, 51, 102** is the 20% darker color. If you saturate the color by 10%, you get **36, 95, 153**, and if you desaturate by 10%, it is **66, 110, 153**.

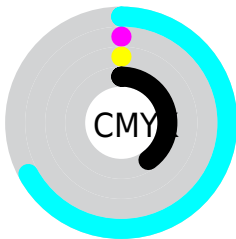
Distribution



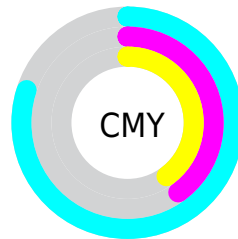
- Red (20%)
- Green (60%)
- Blue (60%)



- Red (20%)
- Yellow (40%)
- Blue (60%)



- Cyan (67%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)




- Cyan (80%)
- Magenta (40%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the RYB color 51, 102, 153 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 51, 102, 153 by changing the saturation by 10% instead.

 51, 102, 153

255, 255, 255


 112, 160, 208

 140, 188, 236

 169, 212, 255


 198, 227, 255

 228, 242, 255


 51, 102, 153

 2, 65, 127

 0, 51, 102


 0, 39, 78

 0, 27, 55


 0, 17, 34


 0, 0, 12

 0, 0, 0

 51, 102, 153

 36, 95, 153

 51, 102, 153

 66, 110, 153

■ 20, 87, 153

■ 82, 118, 153

■ 5, 79, 153

■ 97, 125, 153

■ 0, 77, 153

■ 112, 133, 153

■ 128, 141, 153

■ 143, 148, 153

■ 158, 153, 153

■ 173, 153, 153

■ 189, 153, 153

Harmonies

Analogous

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



81, 124, 152



51, 102, 153



49, 106, 176

Triad

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



51, 102, 153



160, 127, 175



149, 167, 89

Complementary

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



51, 102, 153



153, 51, 51

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.



184, 134, 102



51, 102, 153



183, 120, 152

Square

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



51, 102, 153



126, 135, 188



190, 119, 125



89, 142, 89

Rectangle

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



51, 102, 153



71, 117, 186



190, 119, 125



174, 163, 92

Sweetspot

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



51, 102, 153



159, 179, 199



51, 153, 153



76, 88, 99



227, 227, 227



99, 99, 99

Same Dimension

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



51, 102, 153



40, 120, 199



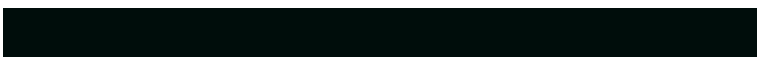
51, 85, 153



69, 73, 77



0, 70, 140



0, 7, 13

Inverse Universe

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



153, 51, 153



199, 40, 199



153, 153, 51



77, 69, 77



140, 0, 140



13, 0, 13

Previews

White Background



This preview shows how the RYB color 51, 102, 153 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 51, 102, 153 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 51, 102, 153 Background



This preview shows how black text looks on a background with the RYB color 51, 102, 153.

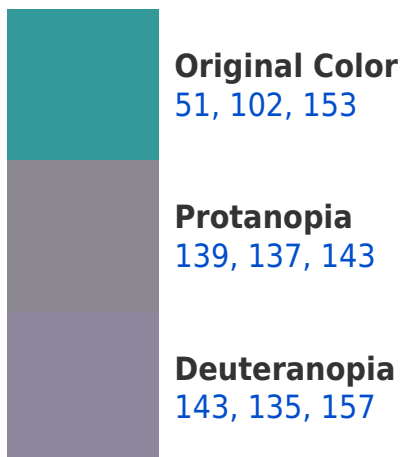


This preview shows how white text looks on a background with the RYB color 51, 102, 153.

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
57, 107, 164

Trichromacy



Original Color

51, 102, 153



Protanomaly

107, 126, 147



Deuteranomaly

110, 129, 156



Tritanomaly

55, 105, 160

Monochromacy



Original Color

51, 102, 153



Achromatopsia

123, 123, 123



Achromatomaly

97, 116, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 102, 153 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(51, 153, 153)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 153)  
}
```

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(51, 153, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 153) }
```

Border

The CSS property to change the border of an element to RYB 51, 102, 153 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(51, 153, 153) }
```

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

```
.border{ border-color:rgb(51, 153, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 153);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 51, 102, 153 is called "background".

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

```
.background, #background, body{  
background: rgb(51, 153, 153) }
```

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

```
.background{ background-color: rgb(51, 153,  
153) }
```

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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