

Converting Colors

`RYB(53, 95, 201)`

Have a look what the booklet for
RYB(53, 95, 201) contains.

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Color

R_YB(53, 95, 201)

Conversions

Conversions Part 1

Format	Color
Hex	3570C9
RGB	53, 112, 201
RGB Percent	21%, 44%, 79%
CMY	0.7922, 0.5622, 0.2118
CMYK	0.74, 0.44, 0.00, 0.21
HSL	216°, 58%, 50%
HSV	216°, 74%, 79%
XYZ	17.7655, 16.4833, 57.5036
YIQ	104.5050, -63.7330, 15.1710

Conversions

Conversions Part 2

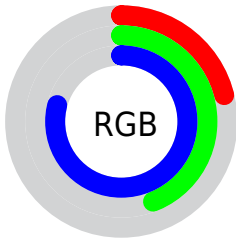
Format	Color
RYB	53, 95, 201
Decimal	3502281
CIELab	47.60, 11.73, -52.00
CIElCh	48, 53.310, 282.713
Yxy	16.4833, 0.1936, 0.1796
Android (android.graphics.Color)	4281692361 (0xFF3570C9)
YUV	104.5050, 47.5720, -45.1699
Hunter-Lab	40.5996, 7.0583, -55.5561

Details

The RYB color **53, 95, 201** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **151, 201, 53**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **118, 152, 255**, and **0, 45, 146** is the 20% darker color. If you saturate the color by 10%, you get **33, 81, 201**, and if you desaturate by 10%, it is **73, 109, 201**.

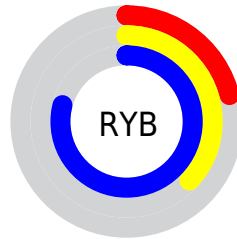
Distribution



Red (21%)

Green (44%)

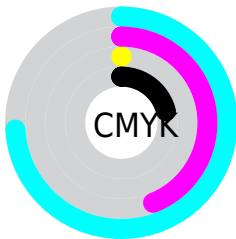
Blue (79%)



Red (21%)

Yellow (37%)

Blue (79%)

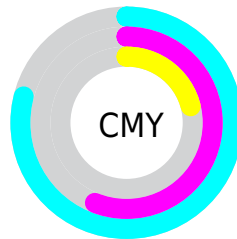


Cyan (74%)

Magenta (44%)

Yellow (0%)

Black (21%)



Cyan (79%)

Magenta (56%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the RYB color 53, 95, 201 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 53, 95, 201 by changing the saturation by 10% instead.


 53, 95, 201  53, 95, 201


255, 255, 255  0, 58, 173


 118, 152, 255  0, 45, 146

 148, 178, 255  0, 32, 120

 178, 204, 255  0, 20, 95

 208, 229, 255  0, 6, 70

 238, 247, 255  0, 4, 47

 0, 1, 25

 0, 0, 0

 53, 95, 201  53, 95, 201

■ 33, 81, 201

■ 73, 109, 201

■ 13, 66, 201

■ 93, 124, 201

■ 0, 57, 201

■ 113, 138, 201

■ 133, 152, 201

■ 154, 167, 201

■ 174, 181, 201

■ 194, 196, 201

■ 209, 214, 201

■ 222, 234, 201

Harmonies

Analogous

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



0, 77, 199



53, 95, 201



139, 92, 179

Triad

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



53, 95, 201



184, 90, 54



0, 80, 132

Complementary

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



53, 95, 201



151, 201, 53

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.



41, 127, 102



53, 95, 201



109, 156, 18

Square

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



53, 95, 201



194, 69, 96



5, 117, 5



0, 68, 134

Rectangle

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



53, 95, 201



170, 79, 155



5, 117, 5



0, 86, 131

Sweetspot

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



53, 95, 201



199, 215, 255



53, 145, 201



94, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



53, 95, 201



31, 95, 255



68, 53, 201



90, 92, 99



0, 46, 163



0, 10, 36

Inverse Universe

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



201, 53, 112



255, 31, 120



53, 201, 68



99, 90, 93



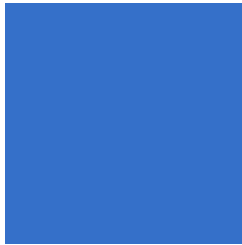
163, 0, 65



36, 0, 14

Previews

White Background



This preview shows how the RYB color 53, 95, 201 looks on a white 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

Black Background



This preview shows how the RYB color 53, 95, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

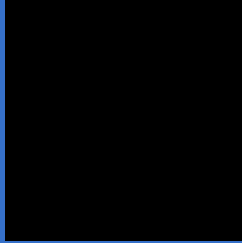
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

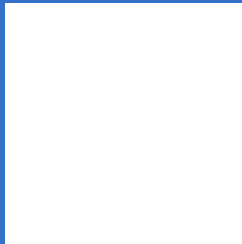
Any Text WCAG AAA × Fail

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

RYB 53, 95, 201 Background



This preview shows how black text looks on a background with the RYB color 53, 95, 201.

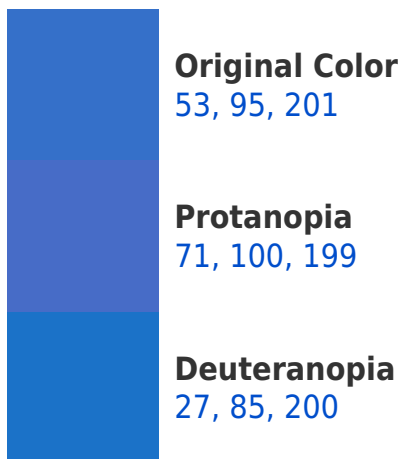


This preview shows how white text looks on a background with the RYB color 53, 95, 201.

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
0, 65, 134

Trichromacy



Original Color
53, 95, 201

Protanomaly
64, 98, 200

Deuteranomaly
36, 88, 200

Tritanomaly
19, 77, 158

Monochromacy



Original Color
53, 95, 201

Achromatopsia
104, 104, 104

Achromatomaly
85, 101, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 53, 95, 201 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(53, 112, 201)` looks like.

```
.text, #text, p{  
    color:rgb(53, 112, 201)  
}
```

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(53, 112, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 112, 201) }
```

Border

The CSS property to change the border of an element to RYB 53, 95, 201 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(53, 112, 201) }
```

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

```
.border{ border-color:rgb(53, 112, 201) }
```

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

Here you see how a box with a 4 pixel rgb(53, 112, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 112, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 112, 201);  
box-shadow:4px 4px 4px 4px rgb(53, 112,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 53, 95, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 112, 201) }
```

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

```
.background{ background-color: rgb(53, 112,  
201) }
```

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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