

Converting Colors

`RYB(51, 116, 230)`

Have a look what the booklet for
RYB(51, 116, 230) contains.

RYB(51, 116, 230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(51, 116, 230)

Conversions

Conversions Part 1

Format	Color
Hex	3399E6
RGB	51, 153, 230
RGB Percent	20%, 60%, 90%
CMY	0.8000, 0.3998, 0.0980
CMYK	0.78, 0.33, 0.00, 0.10
HSL	206°, 78%, 55%
HSV	206°, 78%, 90%
XYZ	27.0495, 29.2196, 79.0772
YIQ	131.2800, -85.5090, 2.3230

Conversions

Conversions Part 2

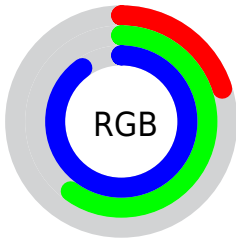
Format	Color
R _Y B	51, 116, 230
Decimal	3381734
CIE Lab	60.97, -2.90, -47.06
CIE LCh	61, 47.148, 266.469
Yxy	29.2196, 0.1999, 0.2159
Android (android.graphics.Color)	4281571814 (0xFF3399E6)
YUV	131.2800, 48.6690, -70.4056
Hunter-Lab	54.0551, -5.2741, -48.8967

Details

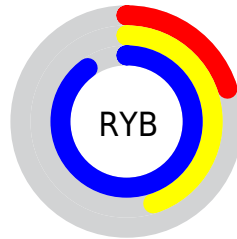
The RYB color **51, 116, 230** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **230, 186, 51**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **123, 174, 255**, and **0, 64, 174** is the 20% darker color. If you saturate the color by 10%, you get **28, 101, 230**, and if you desaturate by 10%, it is **74, 131, 230**.

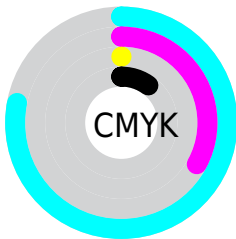
Distribution



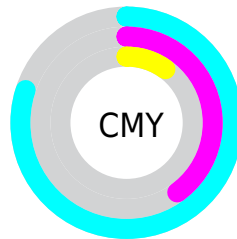
- Red (20%)
- Green (60%)
- Blue (90%)



- Red (20%)
- Yellow (45%)
- Blue (90%)



- Cyan (78%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)




















- Cyan (80%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 116, 230 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, 116, 230 by changing the saturation by 10% instead.

 51, 116, 230	 51, 116, 230
 255, 255, 255	 0, 78, 202
 123, 174, 255	 0, 65, 174
 154, 199, 255	 0, 51, 147
 185, 220, 255	 0, 38, 121
 215, 235, 255	 0, 26, 96
 246, 251, 255	 0, 12, 71
	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

■ 51, 116, 230

■ 51, 116, 230

■ 28, 101, 230

■ 74, 131, 230

■ 5, 87, 230

■ 97, 145, 230

■ 0, 83, 230

■ 120, 160, 230

■ 143, 175, 230

■ 166, 189, 230

■ 189, 204, 230

■ 212, 218, 230

■ 235, 233, 230

■ 255, 253, 230

Harmonies

Analogous

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



0, 93, 216



51, 116, 230



142, 138, 222

Triad

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



51, 116, 230



224, 115, 112



82, 150, 164

Complementary

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



51, 116, 230



230, 186, 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.



69, 156, 91



51, 116, 230



207, 160, 78

Square

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



51, 116, 230



221, 112, 154



107, 176, 61



0, 91, 168

Rectangle

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



51, 116, 230



179, 127, 205



107, 176, 61



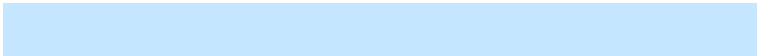
88, 162, 148

Sweetspot

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



51, 116, 230



196, 218, 255



51, 177, 230



92, 105, 128



0, 0, 0



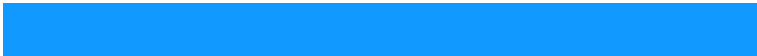
128, 128, 128

Same Dimension

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



51, 116, 230



18, 104, 255



51, 65, 230



103, 107, 115



0, 65, 179



0, 18, 51

Inverse Universe

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



230, 51, 153



255, 18, 153



67, 230, 51



115, 103, 110



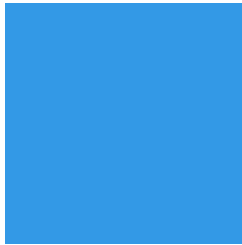
179, 0, 102



51, 0, 29

Previews

White Background



This preview shows how the RYB color 51, 116, 230 looks on a white background.

Color Contrast Check

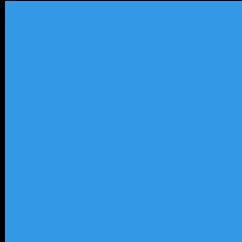
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116, 230 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

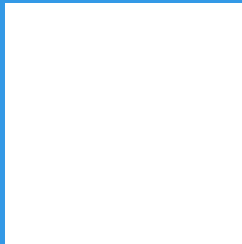
Any Text WCAG AAA × Fail

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

R Y B 51, 116, 230 Background



This preview shows how black text looks on a background with the RYB color 51, 116, 230.

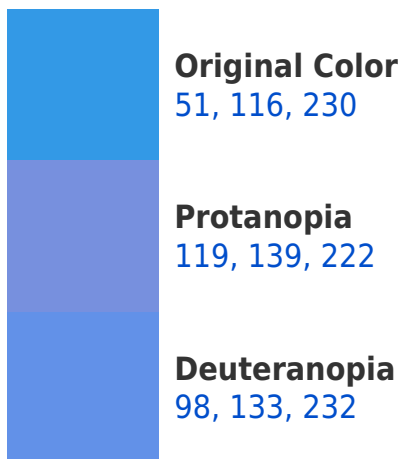


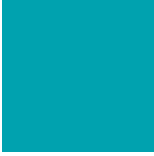
This preview shows how white text looks on a background with the RYB color 51, 116, 230.

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](#).

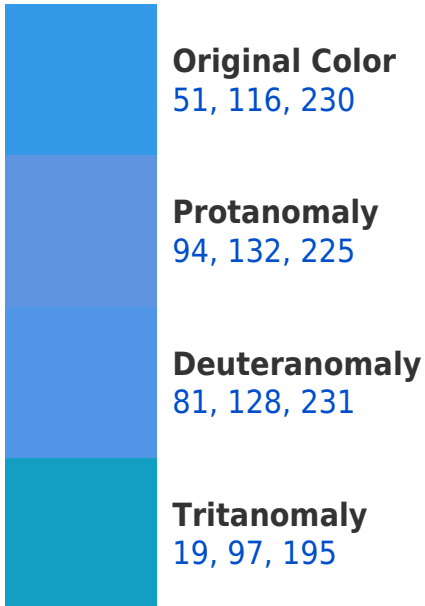
Dichromacy



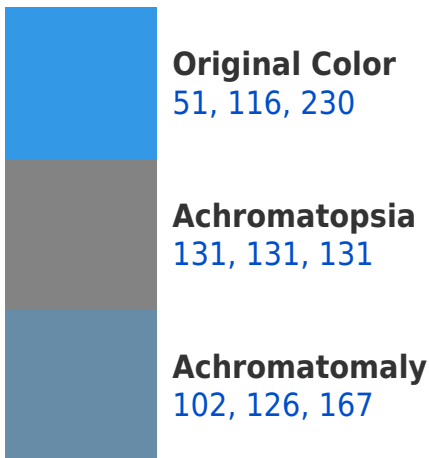


Tritanopia
0, 84, 175

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 116, 230 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 230) }
```

Border

The CSS property to change the border of an element to RYB 51, 116, 230 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, 230) }
```

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

```
.border{ border-color:rgb(51, 153, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 230);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 51, 116, 230 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, 230) }
```

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

```
.background{ background-color: rgb(51, 153,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor