

Converting Colors

`RYB(75, 126, 230)`

Have a look what the booklet for
RYB(75, 126, 230) contains.

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Color

`RYB(75, 126, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	4B97E6
RGB	75, 151, 230
RGB Percent	29%, 59%, 90%
CMY	0.7059, 0.4078, 0.0980
CMYK	0.67, 0.34, 0.00, 0.10
HSL	211°, 76%, 60%
HSV	211°, 67%, 90%
XYZ	28.2527, 29.3453, 79.0380
YIQ	137.2820, -70.6550, 8.4570

Conversions

Conversions Part 2

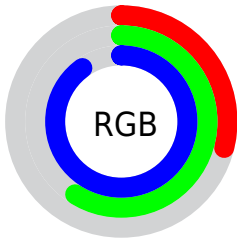
Format	Color
RYB	75, 126, 230
Decimal	4954086
CIELab	61.09, 1.43, -46.84
CIELCh	61, 46.861, 271.745
Yxy	29.3453, 0.2068, 0.2148
Android (android.graphics.Color)	4283144166 (0xFF4B97E6)
YUV	137.2820, 45.7100, -54.6213
Hunter-Lab	54.1713, -1.7042, -48.5864

Details

The RYB color **75, 126, 230** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **224, 230, 75**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **138, 181, 255**, and **0, 64, 174** is the 20% darker color. If you saturate the color by 10%, you get **52, 110, 230**, and if you desaturate by 10%, it is **98, 142, 230**.

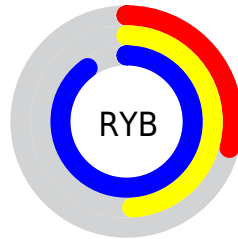
Distribution



Red (29%)

Green (59%)

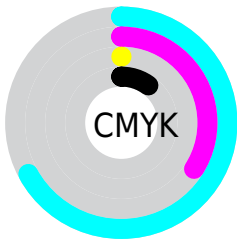
Blue (90%)



Red (29%)

Yellow (49%)

Blue (90%)

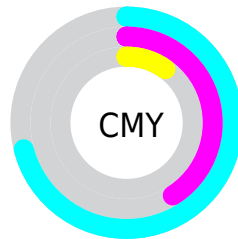


Cyan (67%)

Magenta (34%)

Yellow (0%)

Black (10%)



Cyan (71%)

















Magenta (41%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 126, 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 75, 126, 230 by changing the saturation by 10% instead.

 75, 126, 230	 75, 126, 230
 255, 255, 255	 34, 93, 202
 138, 181, 255	 0, 64, 174
 169, 206, 255	 0, 51, 147
 199, 227, 255	 0, 38, 121
 229, 242, 255	 0, 25, 96
	 0, 10, 71
	 0, 4, 48
	 0, 1, 26
	 0, 0, 0

■ 75, 126, 230

■ 75, 126, 230

■ 52, 110, 230

■ 98, 142, 230

■ 29, 95, 230

■ 121, 157, 230

■ 6, 80, 230

■ 144, 172, 230

■ 0, 76, 230

■ 167, 188, 230

■ 190, 203, 230

■ 213, 218, 230

■ 236, 236, 230

■ 247, 255, 230

■ 230, 255, 230

Harmonies

Analogous

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



0, 93, 220



75, 126, 230



153, 136, 218

Triad

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



75, 126, 230



222, 118, 106



72, 140, 165

Complementary

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



75, 126, 230



224, 230, 75

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.



74, 158, 105



75, 126, 230



203, 175, 75

Square

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



75, 126, 230



223, 112, 147



90, 169, 61



0, 89, 168

Rectangle

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



75, 126, 230



187, 125, 199



90, 169, 61



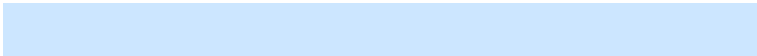
93, 162, 163

Sweetspot

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



75, 126, 230



204, 221, 255



75, 178, 230



97, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 126, 230



48, 116, 255



75, 75, 230



103, 107, 115



0, 59, 179



0, 17, 51

Inverse Universe

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



230, 75, 151



255, 48, 150



75, 230, 75



115, 103, 109



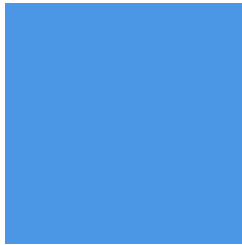
179, 0, 88



51, 0, 25

Previews

White Background



This preview shows how the RYB color 75, 126, 230 looks on a white background.

Color Contrast Check

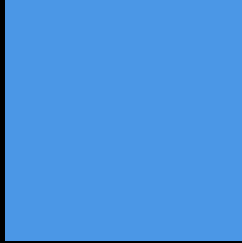
Large Text (above 18pt) WCAG AA ✓ Pass

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 75, 126, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

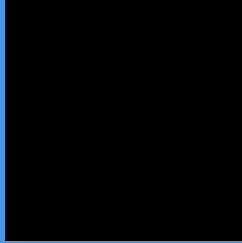
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

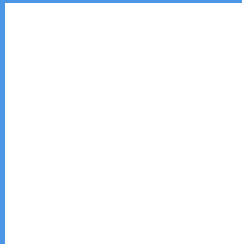
Any Text WCAG AAA × Fail

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

RYB 75, 126, 230 Background



This preview shows how black text looks on a background with the RYB color 75, 126, 230.

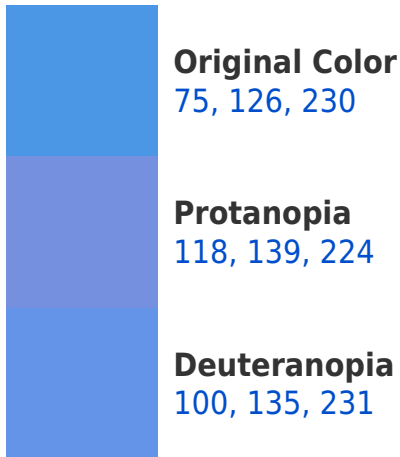


This preview shows how white text looks on a background with the RYB color 75, 126, 230.

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](#).

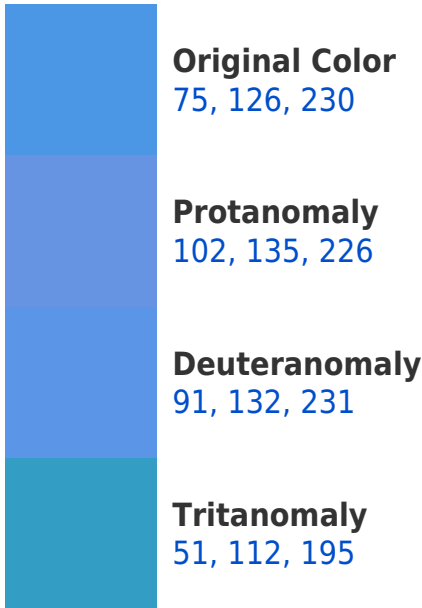
Dichromacy



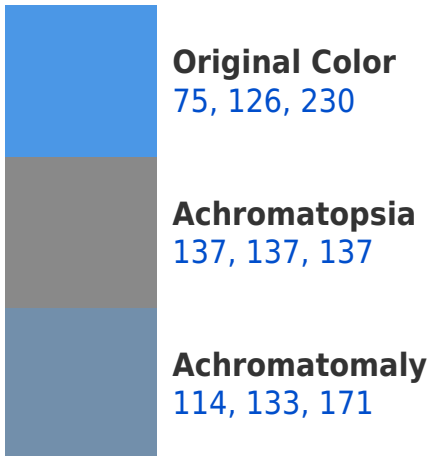


Tritanopia
38, 103, 175

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 126, 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(75, 151, 230)` looks like.

```
.text, #text, p{  
    color:rgb(75, 151, 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(75, 151, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 151, 230) }
```

Border

The CSS property to change the border of an element to RYB 75, 126, 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(75, 151, 230) }
```

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

```
.border{ border-color:rgb(75, 151, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 151, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 151, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 151, 230);  
box-shadow:4px 4px 4px 4px rgb(75, 151,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 75, 126, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 151, 230) }
```

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

```
.background{ background-color: rgb(75, 151,  
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](#).

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