

Converting Colors

`RYB(64, 121, 243)`

Have a look what the booklet for RYB(64, 121, 243) contains.

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Color

R_YB(64, 121, 243)

Conversions

Conversions Part 1

Format	Color
Hex	4094F3
RGB	64, 148, 243
RGB Percent	25%, 58%, 95%
CMY	0.7490, 0.4211, 0.0471
CMYK	0.74, 0.39, 0.00, 0.05
HSL	212°, 88%, 60%
HSV	212°, 74%, 95%
XYZ	28.8242, 28.6253, 88.8001
YIQ	133.7140, -80.5590, 11.7370

Conversions

Conversions Part 2

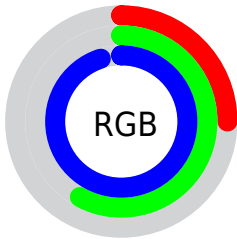
Format	Color
RYB	64, 121, 243
Decimal	4232435
CIELab	60.45, 6.40, -55.05
CIELCh	60, 55.421, 276.633
Yxy	28.6253, 0.1971, 0.1957
Android (android.graphics.Color)	4282422515 (0xFF4094F3)
YUV	133.7140, 53.8780, -61.1392
Hunter-Lab	53.5026, 2.5359, -60.9537

Details

The RYB color **64, 121, 243** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **222, 243, 64**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **133, 177, 255**, and **0, 64, 186** is the 20% darker color. If you saturate the color by 10%, you get **40, 105, 243**, and if you desaturate by 10%, it is **88, 138, 243**.

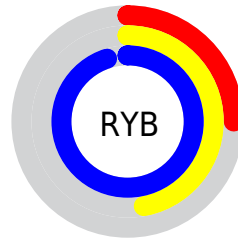
Distribution



Red (25%)

Green (58%)

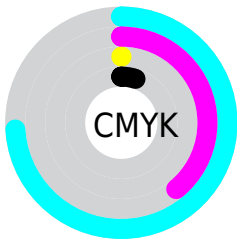
Blue (95%)



Red (25%)

Yellow (47%)

Blue (95%)

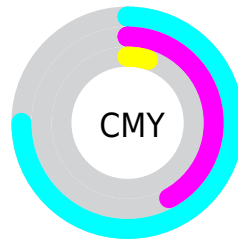


Cyan (74%)

Magenta (39%)

Yellow (0%)

Black (5%)



Cyan (75%)

















Magenta (42%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 121, 243 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 64, 121, 243 by changing the saturation by 10% instead.

 64, 121, 243	 64, 121, 243
 255, 255, 255	 0, 78, 214
 133, 177, 255	 0, 64, 186
 164, 202, 255	 0, 50, 159
 195, 225, 255	 0, 38, 132
 226, 241, 255	 0, 25, 106
	 0, 6, 82
	 0, 5, 58
	 0, 2, 35
	 0, 0, 10

■ 64, 121, 243

■ 64, 121, 243

■ 40, 105, 243

■ 88, 138, 243

■ 15, 88, 243

■ 113, 155, 243

■ 0, 78, 243

■ 137, 171, 243

■ 161, 187, 243

■ 186, 204, 243

■ 210, 220, 243

■ 234, 237, 243

■ 249, 255, 243

■ 243, 255, 243

Harmonies

Analogous

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



0, 96, 235



64, 121, 243



162, 128, 225

Triad

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



64, 121, 243



229, 113, 90



11, 108, 167

Complementary

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



64, 121, 243



222, 243, 64

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.



62, 159, 111



64, 121, 243



201, 203, 54

Square

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



64, 121, 243



235, 101, 137



57, 162, 40



0, 89, 170

Rectangle

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



64, 121, 243



200, 115, 200



57, 162, 40



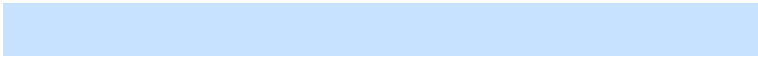
63, 144, 165

Sweetspot

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



64, 121, 243



199, 217, 255



64, 182, 243



94, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



64, 121, 243



31, 102, 255



67, 64, 243



110, 114, 122



0, 59, 186



0, 19, 59

Inverse Universe

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



243, 64, 148



255, 31, 135



64, 243, 67



122, 110, 116



186, 0, 87



59, 0, 27

Previews

White Background



This preview shows how the RYB color 64, 121, 243 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 64, 121, 243 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

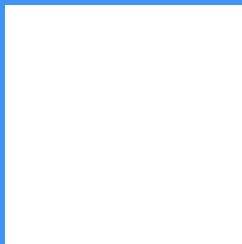
Any Text WCAG AAA × Fail

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

RYB 64, 121, 243 Background



This preview shows how black text looks on a background with the RYB color 64, 121, 243.



This preview shows how white text looks on a background with the RYB color 64, 121, 243.

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](#).

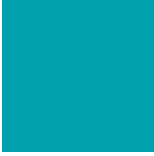
Dichromacy



Original Color
64, 121, 243

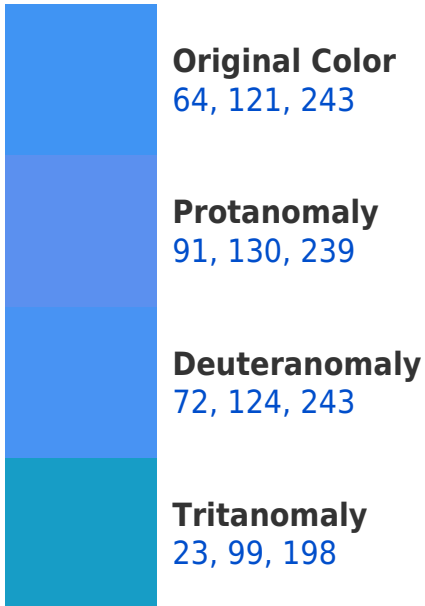
Protanopia
106, 134, 237

Deuteranopia
76, 125, 243

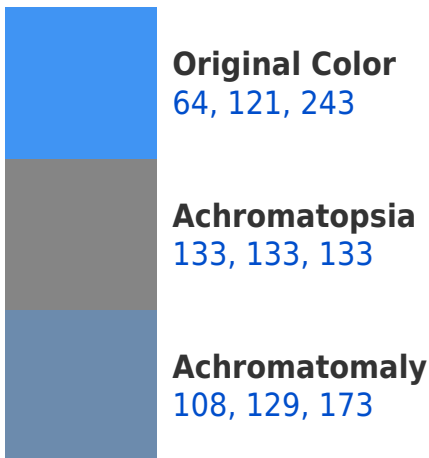


Tritanopia
0, 83, 173

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 121, 243 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(64, 148, 243)` looks like.

```
.text, #text, p{  
    color:rgb(64, 148, 243)  
}
```

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(64, 148, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 148, 243) }
```

Border

The CSS property to change the border of an element to RYB 64, 121, 243 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(64, 148, 243) }
```

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

```
.border{ border-color:rgb(64, 148, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 148, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 148, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 148, 243);  
box-shadow:4px 4px 4px 4px rgb(64, 148,  
243) }
```

Background

The CSS property to change the background color of an element to RYB 64, 121, 243 is called "background".

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

```
.background, #background, body{  
background: rgb(64, 148, 243) }
```

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

```
.background{ background-color: rgb(64, 148,  
243) }
```

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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