

Converting Colors

`RYB(64, 154, 255)`

Have a look what the booklet for
RYB(64, 154, 255) contains.

RYB(64, 154, 255)	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

`RYB(64, 154, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	40EAFB
RGB	64, 234, 255
RGB Percent	25%, 92%, 100%
CMY	0.7490, 0.0816, 0.0000
CMYK	0.75, 0.08, 0.00, 0.00
HSL	187°, 100%, 63%
HSV	187°, 75%, 100%
XYZ	49.6436, 67.2684, 104.9754
YIQ	185.5640, -108.0610, -29.5090

Conversions

Conversions Part 2

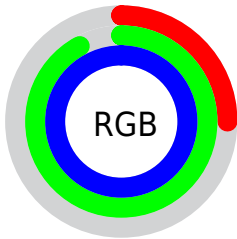
Format	Color
RYB	64, 154, 255
Decimal	4254463
CIELab	85.64, -35.43, -22.34
CIELCh	86, 41.888, 212.227
Yxy	67.2684, 0.2237, 0.3032
Android (android.graphics.Color)	4282444543 (0xFF40EAFf)
YUV	185.5640, 34.2319, -106.6116
Hunter-Lab	82.0173, -35.4876, -18.4741

Details

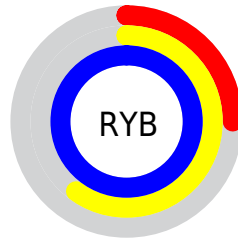
The RYB color **64, 154, 255** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **255, 88, 64**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **139, 197, 255**, and **0, 94, 198** is the 20% darker color. If you saturate the color by 10%, you get **38, 140, 255**, and if you desaturate by 10%, it is **90, 168, 255**.

Distribution



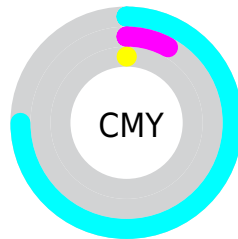
- Red (25%)
- Green (92%)
- Blue (100%)



- Red (25%)
- Yellow (60%)
- Blue (100%)



- Cyan (75%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the RYB color 64, 154, 255 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, 154, 255 by changing the saturation by 10% instead.

 64, 154, 255


255, 255, 255

 139, 197, 255

 172, 214, 255

 204, 230, 255

 236, 246, 255

 64, 154, 255

 0, 108, 226

 0, 94, 198


 0, 80, 171

 0, 67, 144

 0, 54, 119

 0, 42, 94

 0, 30, 70

 0, 18, 48

 0, 1, 27

■ 64, 154, 255

■ 64, 154, 255

■ 38, 140, 255

■ 90, 168, 255

■ 13, 127, 255

■ 115, 181, 255

■ 0, 120, 255

■ 141, 195, 255

■ 166, 208, 255

■ 192, 222, 255

■ 217, 235, 255

■ 243, 249, 255

255, 255, 255

Harmonies

Analogous

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



99, 172, 235



64, 154, 255



99, 170, 255

Triad

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



64, 154, 255



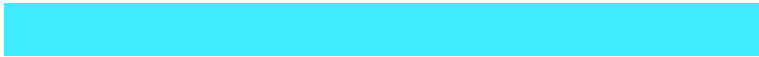
255, 190, 252



167, 238, 134

Complementary

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



64, 154, 255



255, 88, 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.



255, 251, 145



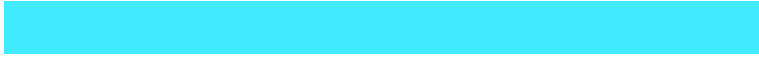
64, 154, 255



255, 184, 213

Square

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



64, 154, 255



223, 203, 255



255, 189, 174



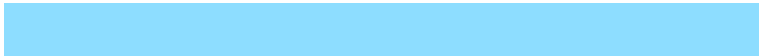
146, 224, 174

Rectangle

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



64, 154, 255



141, 188, 255



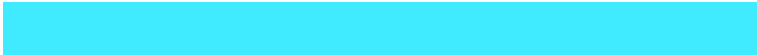
255, 189, 174



201, 250, 135

Sweetspot

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



64, 154, 255



199, 225, 255



64, 238, 255



94, 110, 128



0, 0, 0



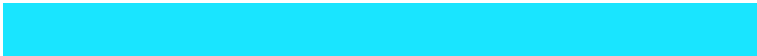
128, 128, 128

Same Dimension

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



64, 154, 255



25, 133, 255



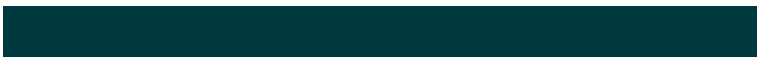
64, 118, 255



115, 121, 128



0, 90, 191



0, 30, 64

Inverse Universe

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



255, 64, 234



255, 25, 230



190, 255, 64



128, 115, 126



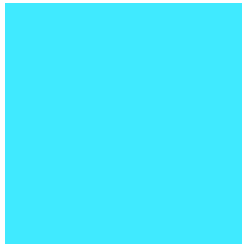
191, 0, 170



64, 0, 57

Previews

White Background



This preview shows how the RYB color 64, 154, 255 looks on a white background.

Color Contrast Check

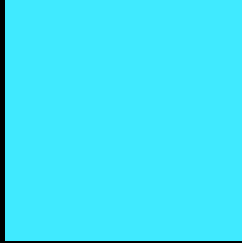
Large Text (above 18pt) WCAG AA × Fail

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, 154, 255 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 ✓ Pass

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

RYB 64, 154, 255 Background



This preview shows how black text looks on a background with the RYB color 64, 154, 255.

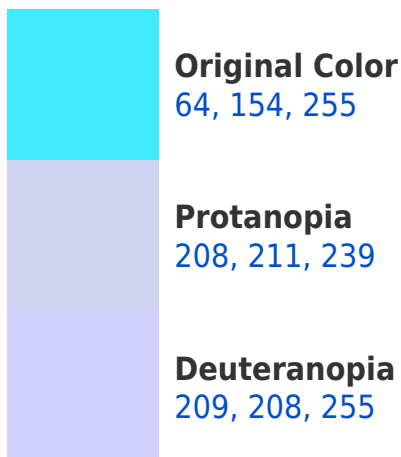


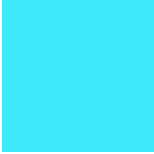
This preview shows how white text looks on a background with the RYB color 64, 154, 255.

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



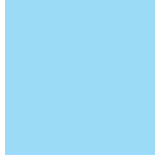


Tritanopia
63, 153, 253

Trichromacy



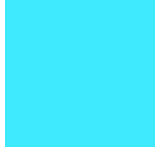
Original Color
64, 154, 255



Protanomaly
156, 193, 245



Deuteranomaly
156, 194, 255

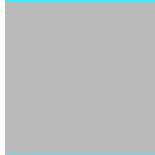


Tritanomaly
63, 153, 254

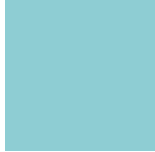
Monochromacy



Original Color
64, 154, 255



Achromatopsia
186, 186, 186



Achromatomaly
142, 175, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 154, 255 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, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 234, 255)  
}
```

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, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 234, 255) }
```

Border

The CSS property to change the border of an element to RYB 64, 154, 255 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, 234, 255) }
```

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

```
.border{ border-color:rgb(64, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(64, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 234,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 64, 154, 255 is called "background".

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

```
.background, #background, body{  
background: rgb(64, 234, 255) }
```

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

```
.background{ background-color: rgb(64, 234,  
255) }
```

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