

Converting Colors

R_YB(64, 148, 249)

Have a look what the booklet for RYB(64, 148, 249) contains.

RYB(64, 148, 249)	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(64, 148, 249)

Conversions

Conversions Part 1

Format	Color
Hex	40DAF9
RGB	64, 218, 249
RGB Percent	25%, 85%, 98%
CMY	0.7490, 0.1456, 0.0235
CMYK	0.74, 0.13, 0.00, 0.02
HSL	190°, 94%, 61%
HSV	190°, 74%, 98%
XYZ	44.2487, 58.0005, 98.4856
YIQ	175.4880, -101.7350, -23.0070

Conversions

Conversions Part 2

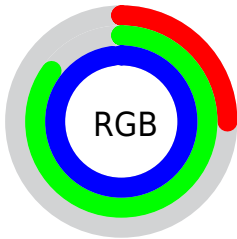
Format	Color
R _Y B	64, 148, 249
Decimal	4250361
CIE Lab	80.74, -29.46, -26.63
CIE LCh	81, 39.712, 222.108
Yxy	58.0005, 0.2204, 0.2889
Android (android.graphics.Color)	4282440441 (0xFF40DAF9)
YUV	175.4880, 36.2414, -97.7750
Hunter-Lab	76.1580, -29.5660, -23.3616

Details

The RYB color **64, 148, 249** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **249, 101, 64**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **137, 196, 255**, and **0, 88, 192** is the 20% darker color. If you saturate the color by 10%, you get **39, 134, 249**, and if you desaturate by 10%, it is **89, 162, 249**.

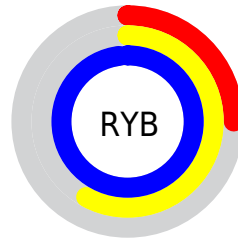
Distribution



Red (25%)

Green (85%)

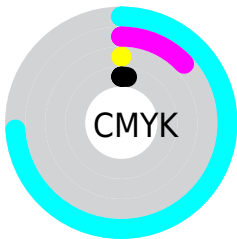
Blue (98%)



Red (25%)

Yellow (58%)

Blue (98%)

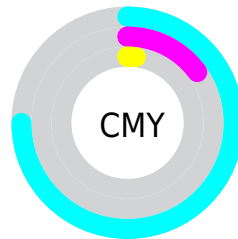


Cyan (74%)

Magenta (13%)

Yellow (0%)

Black (2%)



Cyan (75%)

















Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 148, 249 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, 148, 249 by changing the saturation by 10% instead.

 64, 148, 249	 64, 148, 249
 255, 255, 255	 0, 102, 220
 137, 196, 255	 0, 88, 192
 169, 212, 255	 0, 75, 165
 201, 228, 255	 0, 61, 139
 232, 244, 255	 0, 49, 113
	 0, 37, 89
	 0, 25, 65
	 0, 7, 43
	 0, 1, 22

■ 64, 148, 249

■ 64, 148, 249

■ 39, 134, 249

■ 89, 162, 249

■ 14, 121, 249

■ 114, 175, 249

■ 0, 113, 249

■ 139, 189, 249

■ 164, 203, 249

■ 188, 216, 249

■ 213, 229, 249

■ 238, 243, 249

■ 255, 252, 249

■ 249, 255, 249

Harmonies

Analogous

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



78, 151, 221



64, 148, 249



112, 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, 148, 249



255, 175, 224



135, 210, 127

Complementary

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



64, 148, 249



249, 101, 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.



235, 245, 130



64, 148, 249



255, 172, 187

Square

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



64, 148, 249



224, 185, 255



255, 187, 152



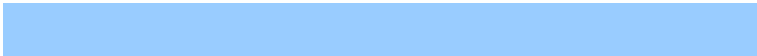
144, 213, 188

Rectangle

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



64, 148, 249



153, 187, 255



255, 187, 152



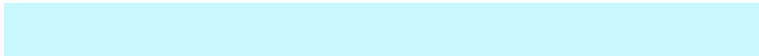
158, 223, 126

Sweetspot

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



64, 148, 249



199, 225, 255



64, 222, 249



94, 109, 128



0, 0, 0



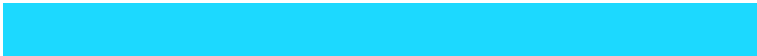
128, 128, 128

Same Dimension

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



64, 148, 249



28, 131, 255



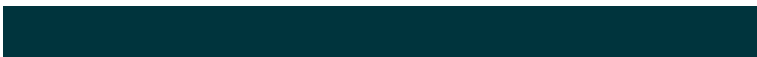
64, 110, 249



112, 118, 125



0, 86, 189



0, 28, 61

Inverse Universe

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



249, 64, 218



255, 28, 217



157, 249, 64



125, 112, 123



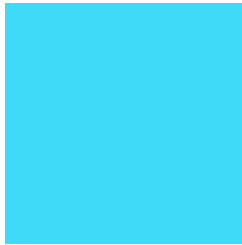
189, 0, 157



61, 0, 51

Previews

White Background



This preview shows how the RYB color 64, 148, 249 looks on a white background.

Color Contrast Check

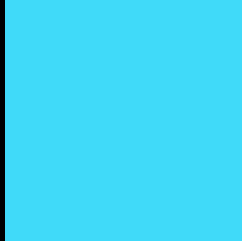
Large Text (above 18pt) WCAG AA × Fail

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, 148, 249 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, 148, 249 Background



This preview shows how black text looks on a background with the RYB color 64, 148, 249.

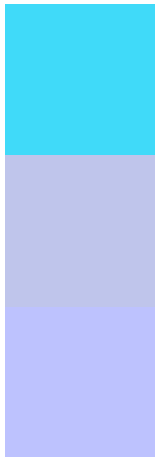


This preview shows how white text looks on a background with the RYB color 64, 148, 249.

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, 148, 249

Protanopia
191, 196, 235

Deuteranopia
189, 194, 254



Tritanopia
55, 142, 238

Trichromacy



Original Color

64, 148, 249



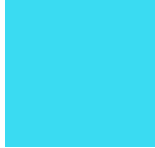
Protanomaly

145, 182, 240



Deuteranomaly

144, 182, 252



Tritanomaly

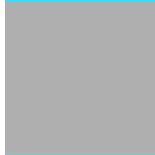
58, 144, 242

Monochromacy



Original Color

64, 148, 249



Achromatopsia

175, 175, 175



Achromatomaly

135, 166, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 148, 249 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, 218, 249)` looks like.

```
.text, #text, p{  
    color:rgb(64, 218, 249)  
}
```

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, 218, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 218, 249) }
```

Border

The CSS property to change the border of an element to RYB 64, 148, 249 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, 218, 249) }
```

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

```
.border{ border-color:rgb(64, 218, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 218, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 218, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 218, 249);  
box-shadow:4px 4px 4px 4px rgb(64, 218,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 64, 148, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 218, 249) }
```

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

```
.background{ background-color: rgb(64, 218,  
249) }
```

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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