

Converting Colors

`RYB(64, 178, 242)`

Have a look what the booklet for
RYB(64, 178, 242) contains.

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Color

`RYB(64, 178, 242)`

Conversions

Conversions Part 1

Format	Color
Hex	40F2A4
RGB	64, 242, 164
RGB Percent	25%, 95%, 64%
CMY	0.7490, 0.0510, 0.3571
CMYK	0.74, 0.00, 0.32, 0.05
HSL	154°, 87%, 60%
HSV	154°, 74%, 95%
XYZ	40.5610, 67.2721, 45.9358
YIQ	179.8860, -81.0500, -61.9940

Conversions

Conversions Part 2

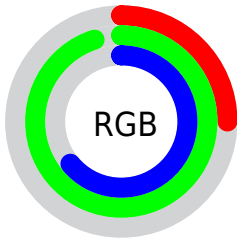
Format	Color
RYB	64, 178, 242
Decimal	4256420
CIELab	85.64, -61.67, 25.24
CIElCh	86, 66.637, 157.740
Yxy	67.2721, 0.2638, 0.4375
Android (android.graphics.Color)	4282446500 (0xFF40F2A4)
YUV	179.8860, -7.8318, -101.6320
Hunter-Lab	82.0195, -55.2609, 24.2078

Details

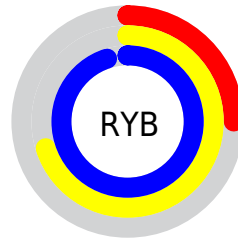
The RYB color **64, 178, 242** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **242, 64, 142**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **135, 206, 255**, and **0, 115, 185** is the 20% darker color. If you saturate the color by 10%, you get **40, 170, 242**, and if you desaturate by 10%, it is **88, 186, 242**.

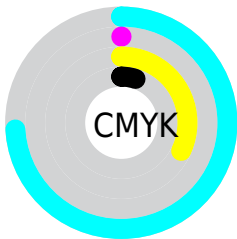
Distribution



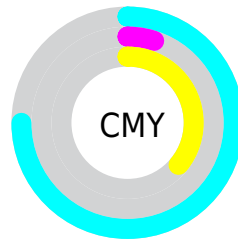
- Red (25%)
- Green (95%)
- Blue (64%)



- Red (25%)
- Yellow (70%)
- Blue (95%)



- Cyan (74%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)



















- Cyan (75%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 178, 242 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, 178, 242 by changing the saturation by 10% instead.

 64, 178, 242	 64, 178, 242
 255, 255, 255	 0, 130, 213
 135, 206, 255	 0, 115, 185
 166, 212, 255	 0, 101, 157
 198, 227, 255	 0, 88, 130
 229, 242, 255	 0, 74, 103
	 0, 64, 78
	 0, 54, 54
	 0, 28, 28
	 0, 0, 0

■ 64, 178, 242

■ 64, 178, 242

■ 40, 170, 242

■ 88, 186, 242

■ 16, 161, 242

■ 112, 195, 242

■ 0, 155, 242

■ 137, 204, 242

■ 161, 213, 242

■ 185, 222, 242

■ 209, 230, 242

■ 233, 239, 242

■ 255, 242, 249

■ 255, 242, 255

Harmonies

Analogous

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



109, 232, 174



64, 178, 242



0, 127, 246

Triad

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



64, 178, 242



128, 180, 255



255, 181, 140

Complementary

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



64, 178, 242



242, 64, 142

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, 158, 200



64, 178, 242



240, 191, 255

Square

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



64, 178, 242



0, 122, 255



255, 167, 255



194, 255, 95

Rectangle

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



64, 178, 242



0, 125, 255



255, 167, 255



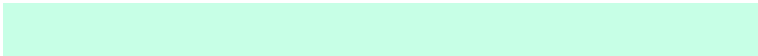
255, 165, 159

Sweetspot

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



64, 178, 242



199, 235, 255



64, 242, 162



94, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



64, 178, 242



31, 174, 255



64, 151, 242



108, 116, 120



0, 118, 184



0, 36, 56

Inverse Universe

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



242, 64, 142



255, 31, 129



242, 73, 64



120, 108, 113



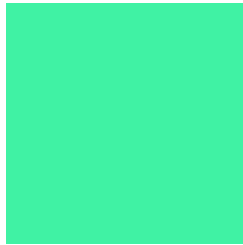
184, 0, 81



56, 0, 25

Previews

White Background



This preview shows how the RYB color 64, 178, 242 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, 178, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

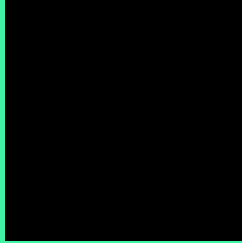
Any Text WCAG AA ✓ Pass

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, 178, 242 Background



This preview shows how black text looks on a background with the RYB color 64, 178, 242.

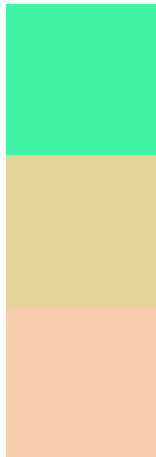


This preview shows how white text looks on a background with the RYB color 64, 178, 242.

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](#).

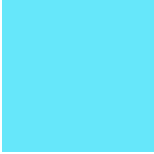
Dichromacy



Original Color
64, 178, 242

Protanopia
173, 229, 151

Deuteranopia
246, 228, 172



Tritanopia
102, 171, 250

Trichromacy



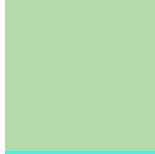
Original Color

64, 178, 242



Protanomaly

156, 223, 210



Deuteranomaly

169, 218, 207



Tritanomaly

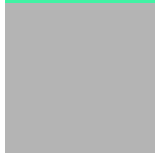
88, 166, 235

Monochromacy



Original Color

64, 178, 242



Achromatopsia

180, 180, 180



Achromatomaly

138, 180, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 178, 242 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, 242, 164) looks like.

```
.text, #text, p{  
    color:rgb(64, 242, 164)  
}
```

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, 242, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 242, 164) }
```

Border

The CSS property to change the border of an element to RYB 64, 178, 242 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, 242, 164) }
```

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

```
.border{ border-color:rgb(64, 242, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 242, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 242, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 242, 164);  
box-shadow:4px 4px 4px 4px rgb(64, 242,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 64, 178, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 242, 164) }
```

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

```
.background{ background-color: rgb(64, 242,  
164) }
```

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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