

Converting Colors

`RYB(66, 175, 237)`

Have a look what the booklet for
RYB(66, 175, 237) contains.

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Color

R_YB(66, 175, 237)

Conversions

Conversions Part 1

Format	Color
Hex	42EDA3
RGB	66, 237, 163
RGB Percent	26%, 93%, 64%
CMY	0.7412, 0.0706, 0.3597
CMYK	0.72, 0.00, 0.31, 0.07
HSL	154°, 83%, 59%
HSV	154°, 72%, 93%
XYZ	39.1657, 64.3805, 45.1379
YIQ	177.4350, -78.1620, -59.2660

Conversions

Conversions Part 2

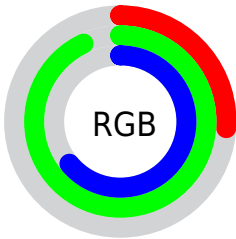
Format	Color
RYB	66, 175, 237
Decimal	4386211
CIELab	84.16, -59.67, 23.57
CIELCh	84, 64.154, 158.446
Yxy	64.3805, 0.2634, 0.4330
Android (android.graphics.Color)	4282576291 (0xFF42EDA3)
YUV	177.4350, -7.1165, -97.7285
Hunter-Lab	80.2375, -53.2858, 22.8124

Details

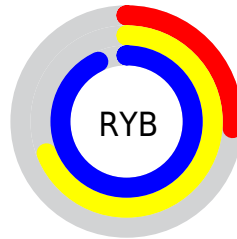
The RYB color **66, 175, 237** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **237, 66, 140**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **135, 206, 255**, and **0, 111, 180** is the 20% darker color. If you saturate the color by 10%, you get **42, 166, 237**, and if you desaturate by 10%, it is **90, 184, 237**.

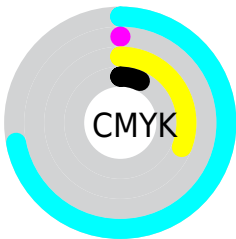
Distribution



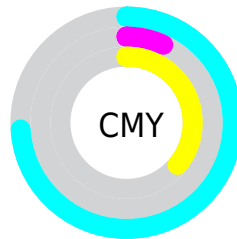
- Red (26%)
- Green (93%)
- Blue (64%)



- Red (26%)
- Yellow (69%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)



















- Cyan (74%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 175, 237 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 66, 175, 237 by changing the saturation by 10% instead.

 66, 175, 237	 66, 175, 237
 255, 255, 255	 0, 125, 208
 135, 206, 255	 0, 111, 180
 167, 213, 255	 0, 97, 152
 198, 227, 255	 0, 83, 125
 229, 242, 255	 0, 71, 99
	 0, 60, 74
	 0, 51, 51
	 0, 23, 23
	 0, 0, 0

■ 66, 175, 237

■ 66, 175, 237

■ 42, 166, 237

■ 90, 184, 237

■ 19, 158, 237

■ 113, 192, 237

■ 0, 151, 237

■ 137, 201, 237

■ 161, 210, 237

■ 184, 218, 237

■ 208, 226, 237

■ 232, 235, 237

■ 255, 237, 245

■ 255, 237, 255

Harmonies

Analogous

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



111, 228, 176



66, 175, 237



0, 124, 240

Triad

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



66, 175, 237



132, 180, 255



255, 180, 138

Complementary

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



66, 175, 237



237, 66, 140

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, 157, 195



66, 175, 237



237, 187, 255

Square

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



66, 175, 237



0, 120, 255



255, 165, 255



203, 255, 96

Rectangle

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



66, 175, 237



0, 123, 255



255, 165, 255



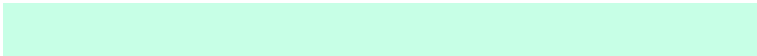
255, 164, 156

Sweetspot

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



66, 175, 237



199, 235, 255



66, 237, 163



94, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



66, 175, 237



33, 175, 255



66, 149, 237



106, 113, 117



0, 115, 181



0, 35, 54

Inverse Universe

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



237, 66, 140



255, 33, 129



237, 78, 66



117, 106, 111



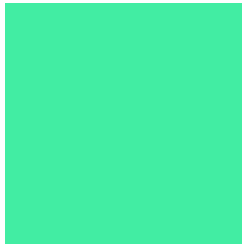
181, 0, 78



54, 0, 23

Previews

White Background



This preview shows how the RYB color 66, 175, 237 looks on a white background.

Color Contrast Check

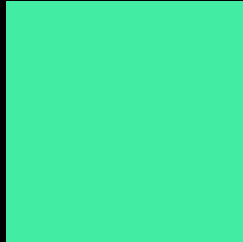
Large Text (above 18pt) WCAG AA × Fail

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 66, 175, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

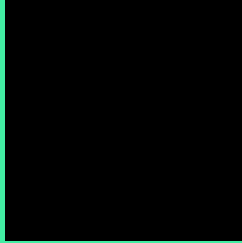
Any Text WCAG AA ✓ Pass

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](#).

RGB 66, 175, 237 Background



This preview shows how black text looks on a background with the RGB color 66, 175, 237.

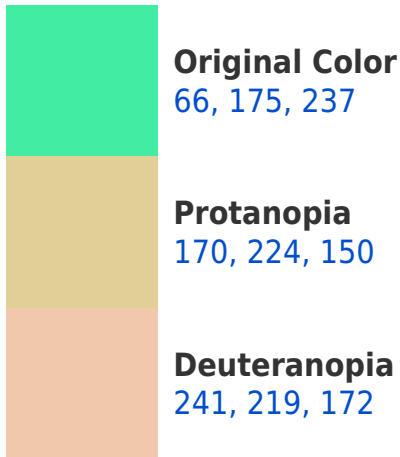


This preview shows how white text looks on a background with the RGB color 66, 175, 237.

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
101, 168, 245

Trichromacy



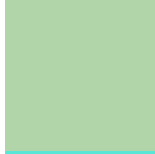
Original Color

66, 175, 237



Protanomaly

155, 219, 207



Deuteranomaly

169, 213, 205



Tritanomaly

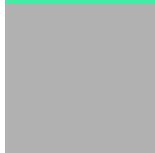
88, 164, 231

Monochromacy



Original Color

66, 175, 237



Achromatopsia

177, 177, 177



Achromatomaly

137, 177, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 175, 237 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(66, 237, 163)` looks like.

```
.text, #text, p{  
    color:rgb(66, 237, 163)  
}
```

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(66, 237, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 237, 163) }
```

Border

The CSS property to change the border of an element to RYB 66, 175, 237 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(66, 237, 163) }
```

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

```
.border{ border-color:rgb(66, 237, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 237, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 237, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 237, 163);  
box-shadow:4px 4px 4px 4px rgb(66, 237,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 66, 175, 237 is called "background".

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

```
.background, #background, body{  
background: rgb(66, 237, 163) }
```

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

```
.background{ background-color: rgb(66, 237,  
163) }
```

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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