

Converting Colors

`RYB(66, 176, 235)`

Have a look what the booklet for
RYB(66, 176, 235) contains.

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Color

`RYB(66, 176, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	42EB9D
RGB	66, 235, 157
RGB Percent	26%, 92%, 62%
CMY	0.7412, 0.0784, 0.3857
CMYK	0.72, 0.00, 0.33, 0.08
HSL	152°, 81%, 59%
HSV	152°, 72%, 92%
XYZ	38.0107, 62.9971, 41.8961
YIQ	175.5770, -75.6860, -60.0860

Conversions

Conversions Part 2

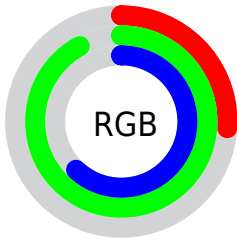
Format	Color
RYB	66, 176, 235
Decimal	4385693
CIELab	83.44, -60.25, 25.98
CIELCh	83, 65.611, 156.672
Yxy	62.9971, 0.2660, 0.4408
Android (android.graphics.Color)	4282575773 (0xFF42EB9D)
YUV	175.5770, -9.1585, -96.0990
Hunter-Lab	79.3707, -53.4151, 24.2631

Details

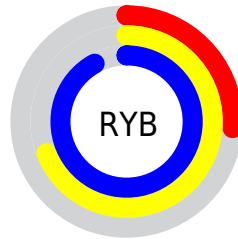
The RYB color **66, 176, 235** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **235, 66, 144**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **135, 208, 255**, and **0, 112, 178** is the 20% darker color. If you saturate the color by 10%, you get **43, 168, 235**, and if you desaturate by 10%, it is **90, 184, 235**.

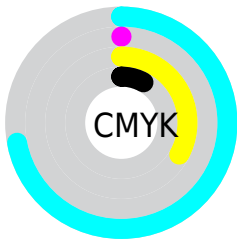
Distribution



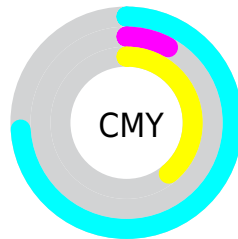
- Red (26%)
- Green (92%)
- Blue (62%)



- Red (26%)
- Yellow (69%)
- Blue (92%)



- Cyan (72%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)




















- Cyan (74%)
- Magenta (8%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the RYB color 66, 176, 235 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, 176, 235 by changing the saturation by 10% instead.


 66, 176, 235	 66, 176, 235
 255, 255, 255	 1, 127, 206
 135, 208, 255	 0, 112, 178
 166, 215, 255	 0, 98, 150
 197, 226, 255	 0, 85, 123
 228, 242, 255	 0, 72, 97
	 0, 62, 72
	 0, 49, 49
	 0, 20, 20
	 0, 0, 0

 66, 176, 235


 66, 176, 235

 43, 168, 235

 90, 184, 235

 19, 160, 235

 113, 193, 235

 0, 153, 235

 137, 201, 235

 160, 209, 235

 184, 217, 235

 207, 225, 235

 231, 234, 235

 254, 235, 244

 255, 235, 255

Harmonies

Analogous

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



104, 225, 165



66, 176, 235



0, 124, 239

Triad

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



66, 176, 235



117, 173, 255



255, 172, 137

Complementary

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



66, 176, 235



235, 66, 144

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, 153, 196



66, 176, 235



230, 186, 255

Square

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



66, 176, 235



0, 120, 255



255, 163, 255



210, 255, 93

Rectangle

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



66, 176, 235



0, 123, 255



255, 163, 255



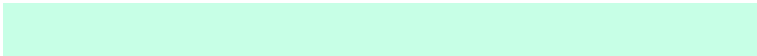
255, 159, 156

Sweetspot

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



66, 176, 235



199, 235, 255



66, 235, 156



94, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



66, 176, 235



36, 179, 255



66, 149, 235



106, 113, 117



0, 118, 181



0, 35, 54

Inverse Universe

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



235, 66, 144



255, 36, 137



235, 72, 66



117, 106, 111



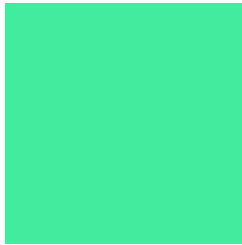
181, 0, 84



54, 0, 25

Previews

White Background



This preview shows how the RYB color 66, 176, 235 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, 176, 235 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 66, 176, 235 Background



This preview shows how black text looks on a background with the RYB color 66, 176, 235.

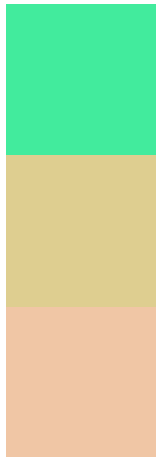


This preview shows how white text looks on a background with the RYB color 66, 176, 235.

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](#).

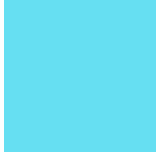
Dichromacy



Original Color
66, 176, 235

Protanopia
164, 222, 144

Deuteranopia
240, 224, 165



Tritanopia
102, 167, 242

Trichromacy



Original Color

66, 176, 235



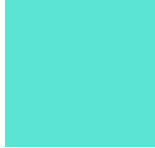
Protanomaly

149, 217, 201



Deuteranomaly

162, 211, 196



Tritanomaly

89, 163, 228

Monochromacy



Original Color

66, 176, 235



Achromatopsia

176, 176, 176



Achromatomaly

136, 176, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 176, 235 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, 235, 157)` looks like.

```
.text, #text, p{  
    color:rgb(66, 235, 157)  
}
```

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, 235, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 235, 157) }
```

Border

The CSS property to change the border of an element to RYB 66, 176, 235 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, 235, 157) }
```

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

```
.border{ border-color:rgb(66, 235, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 235, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 235, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 235, 157);  
box-shadow:4px 4px 4px 4px rgb(66, 235,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 66, 176, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 235, 157) }
```

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

```
.background{ background-color: rgb(66, 235,  
157) }
```

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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