

Converting Colors

`RYB(66, 241, 112)`

Have a look what the booklet for
RYB(66, 241, 112) contains.

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Color

R_YB(66, 241, 112)

Conversions

Conversions Part 1

Format	Color
Hex	C3F142
RGB	195, 241, 66
RGB Percent	76%, 95%, 26%
CMY	0.2353, 0.0549, 0.7412
CMYK	0.19, 0.00, 0.73, 0.05
HSL	76°, 86%, 60%
HSV	76°, 73%, 95%
XYZ	54.9443, 74.9060, 16.7167
YIQ	207.2960, 28.7590, -64.1770

Conversions

Conversions Part 2

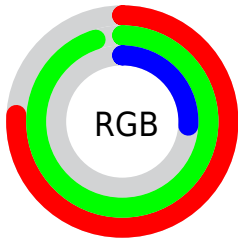
Format	Color
RYB	66, 241, 112
Decimal	12841282
CIELab	89.35, -37.57, 74.54
CIELCh	89, 83.478, 116.751
Yxy	74.9060, 0.3749, 0.5111
Android (android.graphics.Color)	4291031362 (0xFFC3F142)
YUV	207.2960, -69.6589, -10.7836
Hunter-Lab	86.5483, -38.1405, 49.1320

Details

The RYB color **66, 241, 112** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed yellow. A complement of this color would be **112, 66, 241**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **125, 255, 125**, and **0, 185, 48** is the 20% darker color. If you saturate the color by 10%, you get **42, 241, 94**, and if you desaturate by 10%, it is **90, 241, 130**.

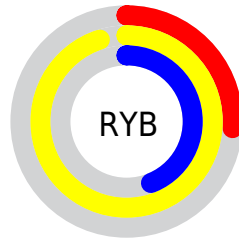
Distribution



Red (76%)

Green (95%)

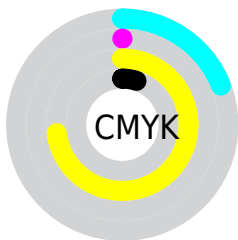
Blue (26%)



Red (26%)

Yellow (95%)

Blue (44%)

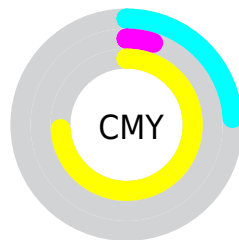


Cyan (19%)

Magenta (0%)

Yellow (73%)

Black (5%)



Cyan (24%)


















Magenta (5%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 241, 112 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, 241, 112 by changing the saturation by 10% instead.

 66, 241, 112	 66, 241, 112
 255, 255, 255	 30, 213, 77
 125, 255, 125	 0, 185, 48
 154, 255, 154	 0, 158, 50
 182, 255, 182	 0, 131, 51
 212, 255, 212	 0, 106, 55
 241, 255, 241	 0, 81, 65
	 0, 58, 58
	 0, 37, 37
	 0, 0, 0

■ 66, 241, 112

■ 66, 241, 112

■ 42, 241, 94

■ 90, 241, 130

■ 18, 241, 77

■ 114, 241, 147

■ 0, 241, 63

■ 138, 241, 165

■ 162, 241, 183

■ 187, 241, 201

■ 211, 241, 219

■ 235, 241, 237

■ 246, 241, 255

■ 252, 241, 255

Harmonies

Analogous

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



89, 255, 44



66, 241, 112



78, 214, 255

Triad

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



66, 241, 112



0, 127, 255



255, 148, 237

Complementary

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



66, 241, 112



112, 66, 241

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, 172, 255



66, 241, 112



0, 123, 255

Square

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



66, 241, 112



0, 128, 255



209, 207, 255



255, 156, 158

Rectangle

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



66, 241, 112



0, 148, 255



209, 207, 255



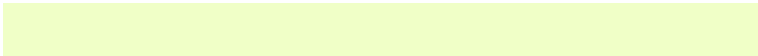
255, 153, 255

Sweetspot

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



66, 241, 112



199, 255, 214



241, 125, 66



94, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



66, 241, 112



33, 255, 91



66, 241, 197



108, 120, 111



0, 184, 49



0, 56, 15

Inverse Universe

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



112, 66, 241



91, 33, 255



197, 66, 241



111, 108, 120



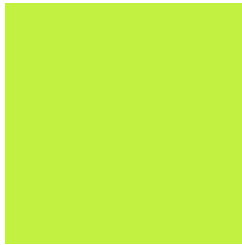
48, 0, 184



15, 0, 56

Previews

White Background



This preview shows how the RYB color 66, 241, 112 looks on a white background.

Color Contrast Check

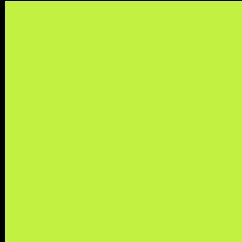
Large Text (above 18pt) WCAG AA × Fail

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, 241, 112 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, 241, 112 Background



This preview shows how black text looks on a background with the RYB color 66, 241, 112.

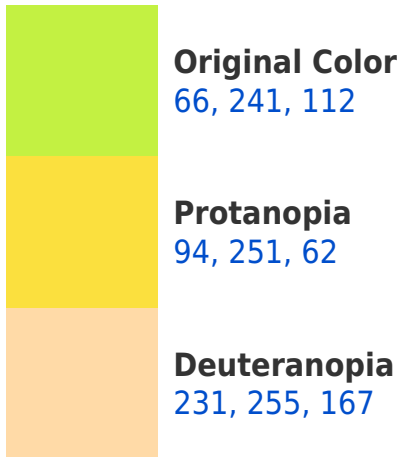


This preview shows how white text looks on a background with the RYB color 66, 241, 112.

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](#).

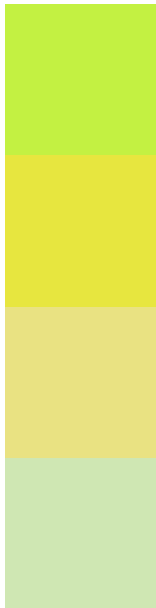
Dichromacy





Tritanopia
214, 222, 243

Trichromacy



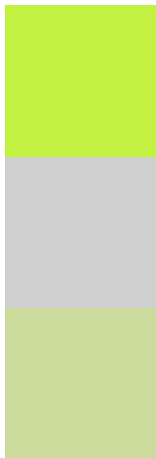
Original Color
66, 241, 112

Protanomaly
64, 231, 63

Deuteranomaly
138, 233, 130

Tritanomaly
179, 231, 203

Monochromacy



Original Color
66, 241, 112

Achromatopsia
207, 207, 207

Achromatomaly
156, 219, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 241, 112 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(195, 241, 66)` looks like.

```
.text, #text, p{  
    color:rgb(195, 241, 66)  
}
```

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(195, 241, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 241, 66) }
```

Border

The CSS property to change the border of an element to RYB 66, 241, 112 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(195, 241, 66) }
```

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

```
.border{ border-color:rgb(195, 241, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 241, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 241, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 241, 66);  
box-shadow:4px 4px 4px 4px rgb(195, 241,  
66) }
```

Background

The CSS property to change the background color of an element to RYB 66, 241, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 241, 66) }
```

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

```
.background{ background-color: rgb(195,  
241, 66) }
```

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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