

Converting Colors

`RYB(86, 245, 115)`

Have a look what the booklet for
RYB(86, 245, 115) contains.

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Color

$\text{RYB}(86, 245, 115)$

Conversions

Conversions Part 1

Format	Color
Hex	D8F556
RGB	216, 245, 86
RGB Percent	85%, 96%, 34%
CMY	0.1529, 0.0392, 0.6627
CMYK	0.12, 0.00, 0.65, 0.04
HSL	71°, 89%, 65%
HSV	71°, 65%, 96%
XYZ	62.6510, 80.5756, 21.0547
YIQ	218.2030, 33.7550, -55.5970

Conversions

Conversions Part 2

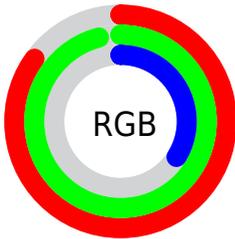
Format	Color
RYB	86, 245, 115
Decimal	14218582
CIELab	91.94, -30.13, 70.45
CIElCh	92, 76.624, 113.151
Yxy	80.5756, 0.3814, 0.4905
Android (android.graphics.Color)	4292408662 (0xFFD8F556)
YUV	218.2030, -65.1761, -1.9320
Hunter-Lab	89.7639, -32.5022, 48.9279

Details

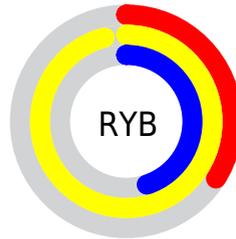
The RYB color **86, 245, 115** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **115, 86, 245**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **143, 255, 143**, and **18, 189, 49** is the 20% darker color. If you saturate the color by 10%, you get **62, 245, 95**, and if you desaturate by 10%, it is **111, 245, 136**.

Distribution



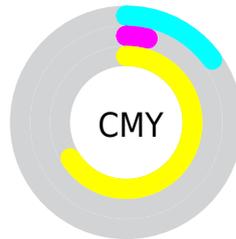
- Red (85%)
- Green (96%)
- Blue (34%)



- Red (34%)
- Yellow (96%)
- Blue (45%)



- Cyan (12%)
- Magenta (0%)
- Yellow (65%)
- Black (4%)



- Cyan (15%)
- Magenta (4%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 245, 115 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 86, 245, 115 by changing the saturation by 10% instead.

 86, 245, 115	 86, 245, 115
255, 255, 255	 56, 217, 86
 143, 255, 143	 18, 189, 49
 171, 255, 171	 0, 162, 33
 200, 255, 200	 0, 135, 34
 229, 255, 229	 0, 110, 36
	 0, 85, 39
	 0, 62, 47
	 0, 40, 40
	 0, 13, 13

 86, 245, 115

 86, 245, 115

 62, 245, 95

 111, 245, 136

 37, 245, 75

 135, 245, 155

 13, 245, 55

 160, 245, 176

 0, 245, 45

 184, 245, 195

 209, 245, 216

 233, 245, 235

 247, 245, 255

 252, 245, 255

 255, 245, 255

Harmonies

Analogous

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



116, 255, 76



86, 245, 115



123, 241, 255

Triad

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



86, 245, 115



0, 128, 255



255, 167, 252

Complementary

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



86, 245, 115



115, 86, 245

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, 189, 255



86, 245, 115



0, 125, 255

Square

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



86, 245, 115



0, 128, 255



205, 216, 255



255, 170, 178

Rectangle

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



86, 245, 115



0, 147, 255



205, 216, 255



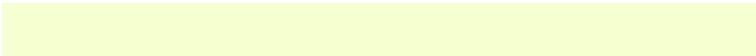
255, 172, 255

Sweetspot

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



86, 245, 115



207, 255, 216



245, 119, 86



98, 128, 104



0, 0, 0



128, 128, 128

Same Dimension

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



86, 245, 115



56, 255, 92



86, 245, 192



110, 122, 112



0, 186, 34



0, 59, 11

Inverse Universe

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



115, 86, 245



92, 56, 255



192, 86, 245



112, 110, 122



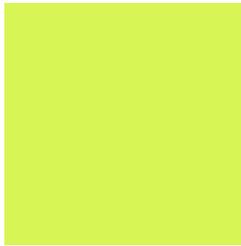
34, 0, 186



11, 0, 59

Previews

White Background



This preview shows how the RYB color 86, 245, 115 looks on a white background.

Color Contrast Check

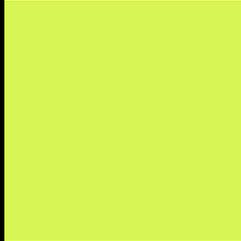
Large Text (above 18pt) WCAG AA × Fail

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 86, 245, 115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

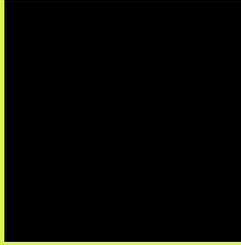
Any Text WCAG AA ✓ Pass

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](#).

R Y B 86, 245, 115 Background



This preview shows how black text looks on a background with the RYB color 86, 245, 115.

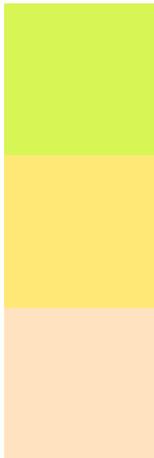


This preview shows how white text looks on a background with the RYB color 86, 245, 115.

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
86, 245, 115

Protanopia
146, 255, 118

Deuteranopia
242, 255, 192



Tritanopia

233, 229, 247

Trichromacy



Original Color
86, 245, 115



Protanomaly
110, 241, 106



Deuteranomaly
161, 241, 153



Tritanomaly
188, 235, 196

Monochromacy



Original Color
86, 245, 115



Achromatopsia
218, 218, 218



Achromatomaly
170, 228, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 245, 115 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(216, 245, 86)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 86)  
}
```

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(216, 245, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 86) }
```

Border

The CSS property to change the border of an element to RYB 86, 245, 115 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(216, 245, 86) }
```

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

```
.border{ border-color:rgb(216, 245, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 245, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 245, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 245, 86);  
box-shadow:4px 4px 4px 4px rgb(216, 245,  
86) }
```

Background

The CSS property to change the background color of an element to RYB 86, 245, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 86) }
```

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

```
.background{ background-color: rgb(216,  
245, 86) }
```

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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