

Converting Colors

`RYB(86, 229, 178)`

Have a look what the booklet for
RYB(86, 229, 178) contains.

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Color

R_YB(86, 229, 178)

Conversions

Conversions Part 1

Format	Color
Hex	89E556
RGB	137, 229, 86
RGB Percent	54%, 90%, 34%
CMY	0.4627, 0.1020, 0.6627
CMYK	0.40, 0.00, 0.62, 0.10
HSL	99°, 73%, 62%
HSV	99°, 62%, 90%
XYZ	40.0156, 62.0289, 18.6678
YIQ	185.1900, -8.9290, -63.9770

Conversions

Conversions Part 2

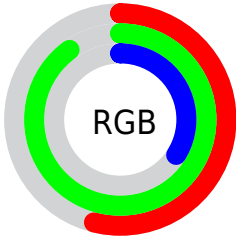
Format	Color
RYB	86, 229, 178
Decimal	9037142
CIELab	82.93, -51.67, 59.46
CIElCh	83, 78.776, 130.993
Yxy	62.0289, 0.3315, 0.5139
Android (android.graphics.Color)	4287227222 (0xFF89E556)
YUV	185.1900, -48.9007, -42.2626
Hunter-Lab	78.7584, -47.1350, 41.0776

Details

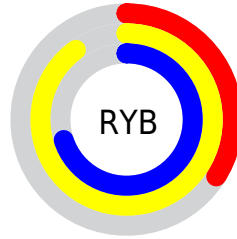
The RYB color **86, 229, 178** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **178, 86, 229**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **141, 255, 201**, and **26, 173, 121** is the 20% darker color. If you saturate the color by 10%, you get **63, 229, 170**, and if you desaturate by 10%, it is **109, 229, 186**.

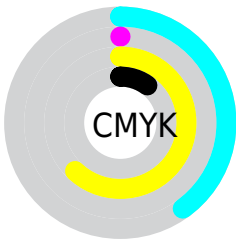
Distribution



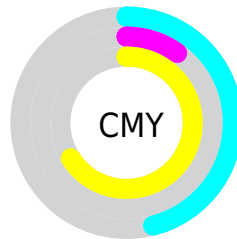
- Red (54%)
- Green (90%)
- Blue (34%)



- Red (34%)
- Yellow (90%)
- Blue (70%)



- Cyan (40%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)


















- Cyan (46%)
- Magenta (10%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 229, 178 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, 229, 178 by changing the saturation by 10% instead.

 86, 229, 178	 86, 229, 178
255, 255, 255	 58, 201, 151
 141, 255, 201	 26, 173, 121
 169, 255, 199	 0, 146, 100
 197, 255, 197	 0, 119, 119
 226, 255, 226	 0, 94, 94
	 0, 69, 69
	 0, 47, 47
	 0, 18, 18
	 0, 0, 0

■ 86, 229, 178

■ 86, 229, 178

■ 63, 229, 170

■ 109, 229, 186

■ 40, 229, 161

■ 132, 229, 195

■ 17, 229, 153

■ 155, 229, 203

■ 0, 229, 147

■ 178, 229, 211

■ 201, 229, 219

■ 223, 229, 227

■ 240, 229, 246

■ 255, 229, 255

Harmonies

Analogous

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



45, 219, 38



86, 229, 178



0, 145, 239

Triad

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



86, 229, 178



0, 120, 255



255, 135, 182

Complementary

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



86, 229, 178



178, 86, 229

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, 144, 255



86, 229, 178



102, 164, 255

Square

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



86, 229, 178



0, 123, 255



245, 175, 255



255, 173, 113

Rectangle

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



86, 229, 178



0, 130, 241



245, 175, 255



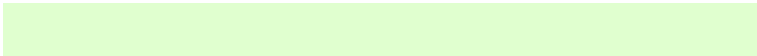
255, 135, 207

Sweetspot

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



86, 229, 178



207, 255, 238



168, 229, 86



98, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



86, 229, 178



64, 255, 187



86, 212, 229



103, 115, 111



0, 179, 115



0, 51, 33

Inverse Universe

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



178, 86, 229



187, 64, 255



229, 86, 210



111, 103, 115



115, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 86, 229, 178 looks on a white background.

Color Contrast Check

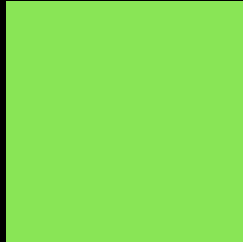
Large Text (above 18pt) WCAG AA × Fail

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, 229, 178 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_YB 86, 229, 178 Background



This preview shows how black text looks on a background with the R_YB color 86, 229, 178.

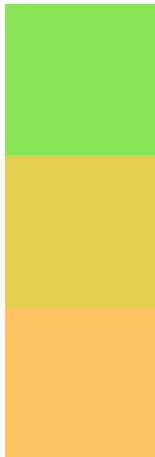


This preview shows how white text looks on a background with the R_YB color 86, 229, 178.

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](#).

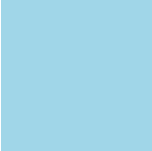
Dichromacy



Original Color
86, 229, 178

Protanopia
106, 229, 79

Deuteranopia
190, 254, 96



Tritanopia
160, 191, 232

Trichromacy



Original Color
86, 229, 178



Protanomaly
82, 214, 100



Deuteranomaly
96, 211, 92

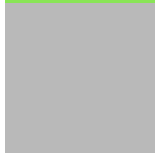


Tritanomaly
152, 200, 219

Monochromacy



Original Color
86, 229, 178



Achromatopsia
185, 185, 185



Achromatomaly
149, 201, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 229, 178 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(137, 229, 86)` looks like.

```
.text, #text, p{  
    color:rgb(137, 229, 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(137, 229, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 229, 86) }
```

Border

The CSS property to change the border of an element to RYB 86, 229, 178 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(137, 229, 86) }
```

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

```
.border{ border-color:rgb(137, 229, 86) }
```

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

Here you see how a box with a 4 pixel rgb(137, 229, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 229, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 229, 86);  
box-shadow:4px 4px 4px 4px rgb(137, 229,  
86) }
```

Background

The CSS property to change the background color of an element to RYB 86, 229, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 229, 86) }
```

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

```
.background{ background-color: rgb(137,  
229, 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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