

Converting Colors

`RYB(86, 194, 205)`

Have a look what the booklet for
RYB(86, 194, 205) contains.

RYB(86, 194, 205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(86, 194, 205)

Conversions

Conversions Part 1

Format	Color
Hex	56CD62
RGB	86, 205, 98
RGB Percent	34%, 80%, 38%
CMY	0.6627, 0.1961, 0.6152
CMYK	0.58, 0.00, 0.52, 0.20
HSL	126°, 54%, 57%
HSV	126°, 58%, 80%
XYZ	27.8794, 46.5252, 19.0960
YIQ	157.2210, -36.5770, -58.5050

Conversions

Conversions Part 2

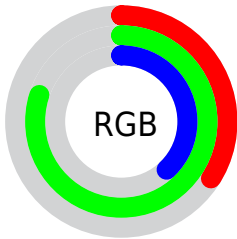
Format	Color
RYB	86, 194, 205
Decimal	5688674
CIELab	73.89, -55.22, 43.02
CIELCh	74, 70.003, 142.077
Yxy	46.5252, 0.2982, 0.4976
Android (android.graphics.Color)	4283878754 (0xFF56CD62)
YUV	157.2210, -29.1960, -62.4608
Hunter-Lab	68.2094, -46.4077, 31.1477

Details

The RYB color **86, 194, 205** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **205, 86, 193**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **146, 250, 255**, and **0, 114, 150** is the 20% darker color. If you saturate the color by 10%, you get **66, 192, 205**, and if you desaturate by 10%, it is **107, 196, 205**.

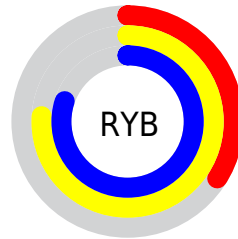
Distribution



Red (34%)

Green (80%)

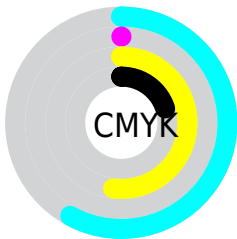
Blue (38%)



Red (34%)

Yellow (76%)

Blue (80%)

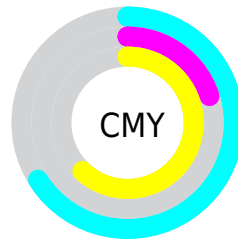


Cyan (58%)

Magenta (0%)

Yellow (52%)

Black (20%)



Cyan (66%)


Magenta (20%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the RYB color 86, 194, 205 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, 194, 205 by changing the saturation by 10% instead.


 86, 194, 205

 86, 194, 205

255, 255, 255

 53, 160, 177


 146, 250, 255

 0, 114, 150

 175, 252, 255

 0, 106, 123

 204, 253, 255

 0, 97, 97


 234, 254, 255


 0, 72, 72


 0, 49, 49


 0, 22, 22


 0, 0, 0

 86, 194, 205


 86, 194, 205

 66, 192, 205


 107, 196, 205

 45, 190, 205

 127, 198, 205

 25, 189, 205

 148, 200, 205

 4, 187, 205

 168, 201, 205

 0, 186, 205

 189, 204, 205

 209, 205, 209

 230, 205, 227

 250, 205, 245

 255, 205, 255

Harmonies

Analogous

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



49, 192, 72



86, 194, 205



0, 119, 211

Triad

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



86, 194, 205



0, 110, 255



255, 124, 137

Complementary

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



86, 194, 205



205, 86, 193

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, 122, 201



86, 194, 205



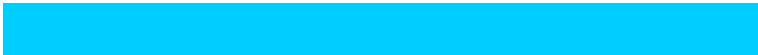
151, 168, 255

Square

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



86, 194, 205



0, 114, 255



243, 144, 255



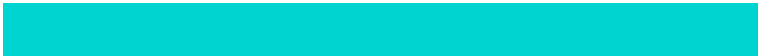
255, 187, 81

Rectangle

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



86, 194, 205



0, 107, 212



243, 144, 255



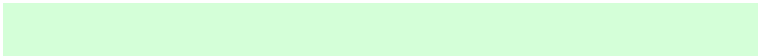
255, 121, 158

Sweetspot

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



86, 194, 205



212, 251, 255



86, 205, 98



102, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 194, 205



77, 239, 255



86, 161, 205



92, 101, 102



0, 151, 166



0, 34, 38

Inverse Universe

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



205, 86, 193



255, 77, 237



205, 86, 134



102, 92, 101



166, 0, 149



38, 0, 34

Previews

White Background



This preview shows how the RYB color 86, 194, 205 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, 194, 205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

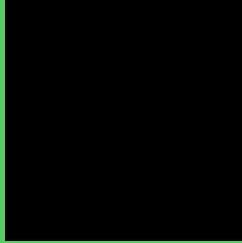
Any Text WCAG AA ✓ Pass

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 86, 194, 205 Background



This preview shows how black text looks on a background with the RYB color 86, 194, 205.

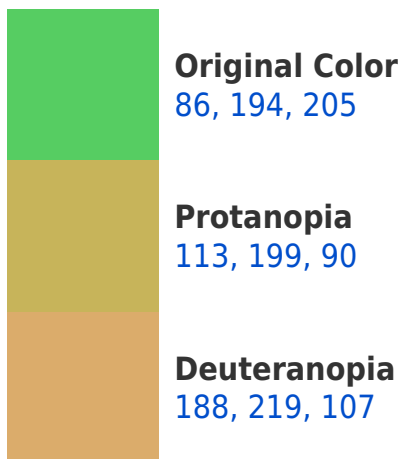


This preview shows how white text looks on a background with the RYB color 86, 194, 205.

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
113, 157, 209

Trichromacy



Original Color

86, 194, 205



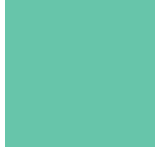
Protanomaly

93, 189, 124



Deuteranomaly

104, 184, 117



Tritanomaly

103, 158, 197

Monochromacy



Original Color

86, 194, 205



Achromatopsia

157, 157, 157



Achromatomaly

131, 170, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 194, 205 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(86, 205, 98) looks like.

```
.text, #text, p{  
    color:rgb(86, 205, 98)  
}
```

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(86, 205, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 205, 98) }
```

Border

The CSS property to change the border of an element to RYB 86, 194, 205 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(86, 205, 98) }
```

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

```
.border{ border-color:rgb(86, 205, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 205, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 205, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 205, 98);  
box-shadow:4px 4px 4px 4px rgb(86, 205,  
98) }
```

Background

The CSS property to change the background color of an element to RYB 86, 194, 205 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 205, 98) }
```

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

```
.background{ background-color: rgb(86, 205,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor