

Converting Colors

`RYB(86, 181, 212)`

Have a look what the booklet for
RYB(86, 181, 212) contains.

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Color

R_YB(86, 181, 212)

Conversions

Conversions Part 1

Format	Color
Hex	56D47F
RGB	86, 212, 127
RGB Percent	34%, 83%, 50%
CMY	0.6627, 0.1686, 0.5015
CMYK	0.59, 0.00, 0.40, 0.17
HSL	140°, 59%, 58%
HSV	140°, 59%, 83%
XYZ	31.2196, 50.6007, 28.2397
YIQ	164.6360, -47.8110, -53.1470

Conversions

Conversions Part 2

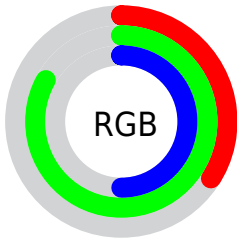
Format	Color
RYB	86, 181, 212
Decimal	5690495
CIELab	76.44, -53.45, 31.83
CIELCh	76, 62.208, 149.227
Yxy	50.6007, 0.2837, 0.4598
Android (android.graphics.Color)	4283880575 (0xFF56D47F)
YUV	164.6360, -18.5545, -68.9638
Hunter-Lab	71.1342, -46.1443, 26.2562

Details

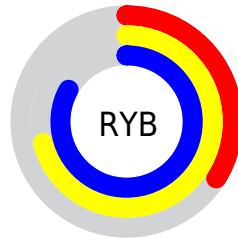
The RYB color **86, 181, 212** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **212, 86, 171**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **146, 229, 255**, and **0, 104, 156** is the 20% darker color. If you saturate the color by 10%, you get **65, 176, 212**, and if you desaturate by 10%, it is **107, 186, 212**.

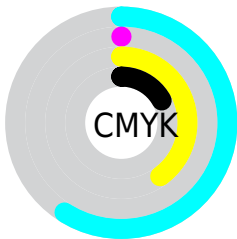
Distribution



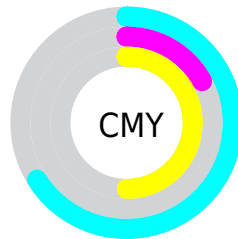
- Red (34%)
- Green (83%)
- Blue (50%)



- Red (34%)
- Yellow (71%)
- Blue (83%)



- Cyan (59%)
- Magenta (0%)
- Yellow (40%)
- Black (17%)




- Cyan (66%)
- Magenta (17%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 181, 212 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, 181, 212 by changing the saturation by 10% instead.

 86, 181, 212


255, 255, 255


 146, 229, 255

 175, 232, 255

 205, 235, 255

 235, 245, 255

 86, 181, 212

 53, 148, 184


 0, 104, 156

 0, 91, 129


 0, 80, 103


 0, 74, 78


 0, 54, 54


 0, 31, 31


 0, 0, 0


 86, 181, 212


 86, 181, 212


 65, 176, 212

 107, 186, 212

 44, 171, 212

 128, 191, 212

 22, 165, 212

 150, 197, 212

 1, 160, 212

 171, 202, 212

 0, 160, 212

 192, 207, 212

 213, 212, 213

 234, 212, 227

 255, 212, 241

 255, 212, 255

Harmonies

Analogous

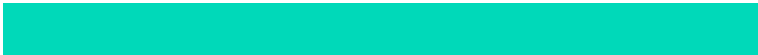
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82, 202, 120



86, 181, 212



0, 117, 217

Triad

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



86, 181, 212



51, 135, 255



255, 145, 136

Complementary

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



86, 181, 212



212, 86, 171

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, 138, 192



86, 181, 212



188, 174, 255

Square

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



86, 181, 212



0, 115, 255



255, 151, 248



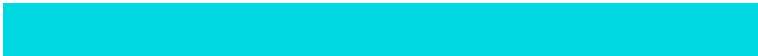
255, 224, 90

Rectangle

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



86, 181, 212



0, 110, 225



255, 151, 248



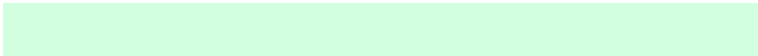
255, 140, 154

Sweetspot

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



86, 181, 212



209, 244, 255



86, 212, 126



99, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 181, 212



74, 211, 255



86, 155, 212



96, 104, 107



0, 129, 171



0, 32, 43

Inverse Universe

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



212, 86, 171



255, 74, 196



212, 86, 109



107, 96, 104



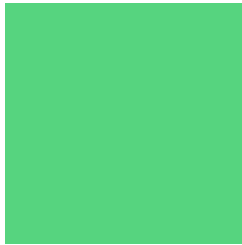
171, 0, 115



43, 0, 29

Previews

White Background



This preview shows how the RYB color 86, 181, 212 looks on a white background.

Color Contrast Check

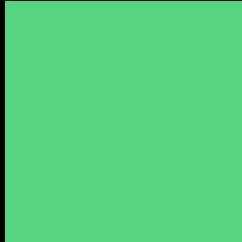
Large Text (above 18pt) WCAG AA × Fail

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, 181, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

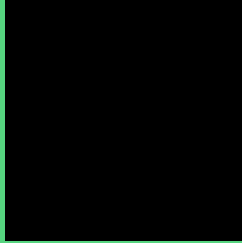
Any Text WCAG AA ✓ Pass

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, 181, 212 Background



This preview shows how black text looks on a background with the RYB color 86, 181, 212.

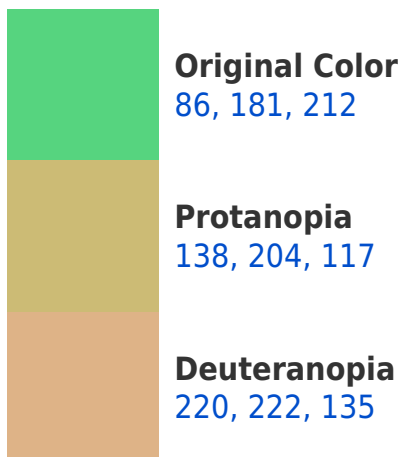


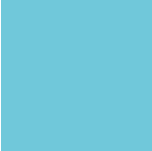
This preview shows how white text looks on a background with the RYB color 86, 181, 212.

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
112, 160, 218

Trichromacy



Original Color
86, 181, 212



Protanomaly
121, 196, 156



Deuteranomaly
132, 191, 150



Tritanomaly
103, 160, 205

Monochromacy



Original Color
86, 181, 212



Achromatopsia
165, 165, 165



Achromatomaly
136, 171, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 181, 212 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, 212, 127)` looks like.

```
.text, #text, p{  
    color:rgb(86, 212, 127)  
}
```

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, 212, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 212, 127) }
```

Border

The CSS property to change the border of an element to RYB 86, 181, 212 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, 212, 127) }
```

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

```
.border{ border-color:rgb(86, 212, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 212, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 212, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 212, 127);  
box-shadow:4px 4px 4px 4px rgb(86, 212,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 86, 181, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 212, 127) }
```

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

```
.background{ background-color: rgb(86, 212,  
127) }
```

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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