

Converting Colors

`RYB(86, 146, 194)`

Have a look what the booklet for
RYB(86, 146, 194) contains.

RYB(86, 146, 194)	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

$\text{RYB}(86, 146, 194)$

Conversions

Conversions Part 1

Format	Color
Hex	56C2AC
RGB	86, 194, 172
RGB Percent	34%, 76%, 67%
CMY	0.6627, 0.2392, 0.3239
CMYK	0.56, 0.00, 0.11, 0.24
HSL	168°, 47%, 55%
HSV	168°, 56%, 76%
XYZ	30.6144, 43.5560, 46.0250
YIQ	159.2000, -57.3060, -29.7380

Conversions

Conversions Part 2

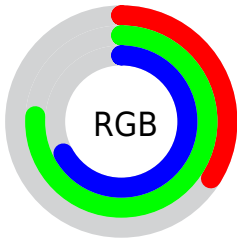
Format	Color
RYB	86, 146, 194
Decimal	5685932
CIELab	71.93, -36.27, 1.51
CIElCh	72, 36.302, 177.621
Yxy	43.5560, 0.2547, 0.3624
Android (android.graphics.Color)	4283876012 (0xFF56C2AC)
YUV	159.2000, 6.3104, -64.1964
Hunter-Lab	65.9969, -32.6927, 4.8501

Details

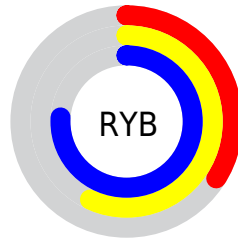
The RYB color **86, 146, 194** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **194, 86, 108**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **144, 204, 251**, and **8, 79, 140** is the 20% darker color. If you saturate the color by 10%, you get **67, 137, 194**, and if you desaturate by 10%, it is **105, 155, 194**.

Distribution



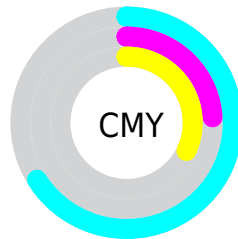
- Red (34%)
- Green (76%)
- Blue (67%)



- Red (34%)
- Yellow (57%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)



- Cyan (66%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 146, 194 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, 146, 194 by changing the saturation by 10% instead.



86, 146, 194



86, 146, 194

255, 255, 255



55, 116, 166



144, 204, 251



8, 79, 140



173, 214, 255



0, 62, 114



202, 229, 255



0, 49, 89



232, 244, 255



0, 36, 64



0, 25, 42



0, 11, 13



0, 0, 0



86, 146, 194



86, 146, 194

■ 67, 137, 194

■ 105, 155, 194

■ 47, 129, 194

■ 125, 163, 194

■ 28, 120, 194

■ 144, 172, 194

■ 8, 111, 194

■ 164, 181, 194

■ 0, 108, 194

■ 183, 189, 194

■ 202, 194, 196

■ 222, 194, 200

■ 241, 194, 203

■ 255, 194, 207

Harmonies

Analogous

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



128, 181, 191



86, 146, 194



52, 126, 206

Triad

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



86, 146, 194



177, 169, 235



227, 188, 121

Complementary

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



86, 146, 194



194, 86, 108

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.



241, 153, 147



86, 146, 194



216, 157, 212

Square

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



86, 146, 194



125, 162, 242



238, 151, 180



150, 201, 110

Rectangle

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



86, 146, 194



59, 132, 224



238, 151, 180



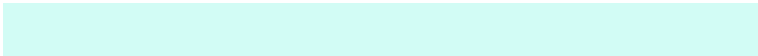
233, 169, 129

Sweetspot

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



86, 146, 194



210, 233, 252



86, 194, 172



102, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 146, 194



83, 177, 252



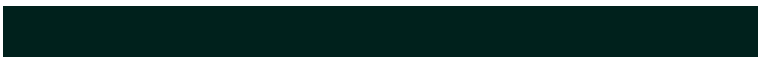
86, 131, 194



87, 93, 97



0, 89, 161



0, 18, 33

Inverse Universe

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



194, 86, 108



252, 83, 117



194, 131, 86



97, 87, 89



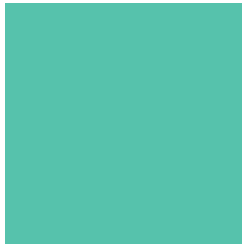
161, 0, 32



33, 0, 7

Previews

White Background



This preview shows how the RYB color 86, 146, 194 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, 146, 194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

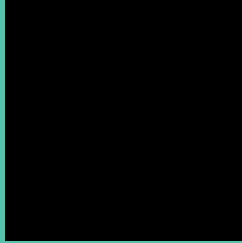
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

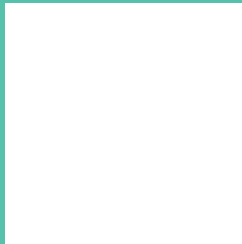
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 86, 146, 194 Background



This preview shows how black text looks on a background with the RYB color 86, 146, 194.

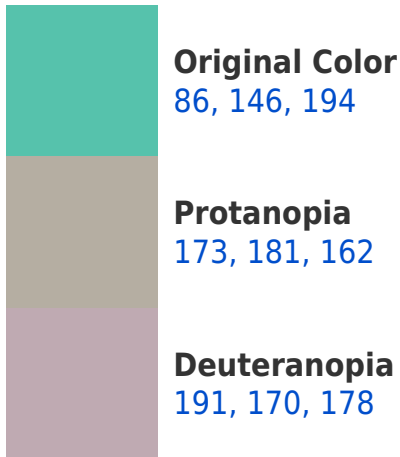


This preview shows how white text looks on a background with the RYB color 86, 146, 194.

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
97, 147, 205

Trichromacy



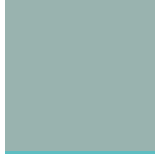
Original Color

86, 146, 194



Protanomaly

146, 168, 181



Deuteranomaly

153, 167, 179



Tritanomaly

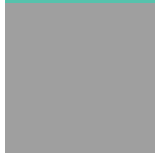
93, 142, 193

Monochromacy



Original Color

86, 146, 194



Achromatopsia

159, 159, 159



Achromatomaly

132, 154, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 146, 194 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, 194, 172)` looks like.

```
.text, #text, p{  
    color:rgb(86, 194, 172)  
}
```

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, 194, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 194, 172) }
```

Border

The CSS property to change the border of an element to RYB 86, 146, 194 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, 194, 172) }
```

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

```
.border{ border-color:rgb(86, 194, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 194, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 194, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 194, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 194,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 86, 146, 194 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 194, 172) }
```

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

```
.background{ background-color: rgb(86, 194,  
172) }
```

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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