

Converting Colors

`RYB(86, 141, 213)`

Have a look what the booklet for
RYB(86, 141, 213) contains.

RYB(86, 141, 213)	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

$\text{RYB}(86, 141, 213)$

Conversions

Conversions Part 1

Format	Color
Hex	56B7D5
RGB	86, 183, 213
RGB Percent	34%, 72%, 84%
CMY	0.6627, 0.2823, 0.1647
CMYK	0.60, 0.14, 0.00, 0.16
HSL	194°, 60%, 59%
HSV	194°, 60%, 84%
XYZ	32.7843, 40.6552, 69.0701
YIQ	157.4170, -67.4420, -11.2340

Conversions

Conversions Part 2

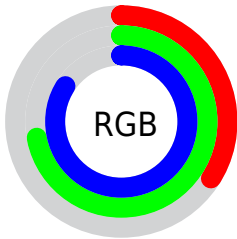
Format	Color
RYB	86, 141, 213
Decimal	5683157
CIELab	69.93, -19.75, -23.68
CIELCh	70, 30.838, 230.177
Yxy	40.6552, 0.2300, 0.2853
Android (android.graphics.Color)	4283873237 (0xFF56B7D5)
YUV	157.4170, 27.4024, -62.6327
Hunter-Lab	63.7615, -19.8029, -19.5934

Details

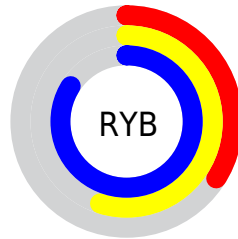
The RYB color **86, 141, 213** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **213, 125, 86**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **146, 196, 255**, and **0, 71, 158** is the 20% darker color. If you saturate the color by 10%, you get **65, 129, 213**, and if you desaturate by 10%, it is **107, 153, 213**.

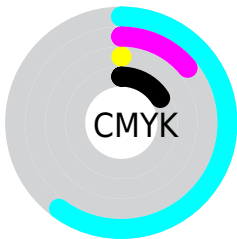
Distribution



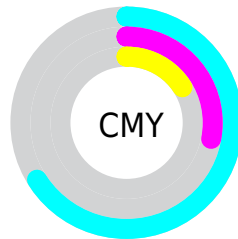
- Red (34%)
- Green (72%)
- Blue (84%)



- Red (34%)
- Yellow (55%)
- Blue (84%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



















- Cyan (66%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 141, 213 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, 141, 213 by changing the saturation by 10% instead.

 86, 141, 213	 86, 141, 213
 255, 255, 255	 52, 110, 185
 146, 196, 255	 0, 71, 158
 176, 216, 255	 0, 58, 132
 205, 230, 255	 0, 46, 107
 235, 245, 255	 0, 34, 82
	 0, 22, 59
	 0, 2, 38
	 0, 1, 15
	 0, 0, 0

■ 86, 141, 213

■ 86, 141, 213

■ 65, 129, 213

■ 107, 153, 213

■ 43, 117, 213

■ 129, 165, 213

■ 22, 105, 213

■ 150, 177, 213

■ 1, 93, 213

■ 171, 189, 213

■ 0, 92, 213

■ 193, 202, 213

■ 214, 213, 213

■ 235, 219, 213

■ 255, 226, 213

■ 255, 236, 213

Harmonies

Analogous

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



82, 135, 189



86, 141, 213



120, 157, 225

Triad

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



86, 141, 213



220, 151, 181



118, 175, 122

Complementary

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



86, 141, 213



213, 125, 86

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.



171, 199, 116



86, 141, 213



227, 151, 153

Square

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



86, 141, 213



198, 157, 207



219, 170, 129



134, 182, 177

Rectangle

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



86, 141, 213



148, 165, 226



219, 170, 129



125, 181, 115

Sweetspot

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



86, 141, 213



209, 229, 255



86, 189, 213



99, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 141, 213



71, 151, 255



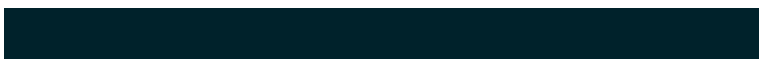
86, 113, 213



96, 101, 107



0, 74, 171



0, 19, 43

Inverse Universe

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



213, 86, 183



255, 71, 212



132, 213, 86



107, 96, 105



171, 0, 131



43, 0, 33

Previews

White Background



This preview shows how the RYB color 86, 141, 213 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, 141, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

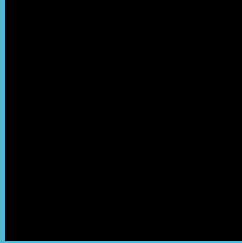
Any Text WCAG AA ✓ Pass

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, 141, 213 Background



This preview shows how black text looks on a background with the RYB color 86, 141, 213.

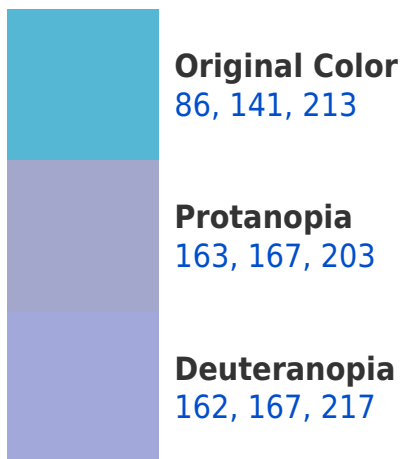


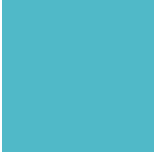
This preview shows how white text looks on a background with the RYB color 86, 141, 213.

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



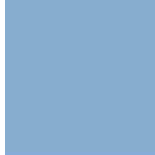


Tritanopia
80, 136, 200

Trichromacy



Original Color
86, 141, 213



Protanomaly
135, 160, 207



Deuteranomaly
134, 160, 216



Tritanomaly
82, 138, 205

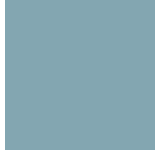
Monochromacy



Original Color
86, 141, 213



Achromatopsia
157, 157, 157



Achromatomaly
131, 151, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 141, 213 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, 183, 213)` looks like.

```
.text, #text, p{  
    color:rgb(86, 183, 213)  
}
```

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, 183, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 183, 213) }
```

Border

The CSS property to change the border of an element to RYB 86, 141, 213 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, 183, 213) }
```

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

```
.border{ border-color:rgb(86, 183, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 183, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 183, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 183, 213);  
box-shadow:4px 4px 4px 4px rgb(86, 183,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 86, 141, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 183, 213) }
```

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

```
.background{ background-color: rgb(86, 183,  
213) }
```

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