

Converting Colors

`RYB(86, 161, 227)`

Have a look what the booklet for RYB(86, 161, 227) contains.

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Color

`RYB(86, 161, 227)`

Conversions

Conversions Part 1

Format	Color
Hex	56E3D2
RGB	86, 227, 210
RGB Percent	34%, 89%, 82%
CMY	0.6627, 0.1098, 0.1762
CMYK	0.62, 0.00, 0.07, 0.11
HSL	173°, 72%, 61%
HSV	173°, 62%, 89%
XYZ	42.9497, 61.5737, 70.6463
YIQ	182.9030, -78.5790, -35.1790

Conversions

Conversions Part 2

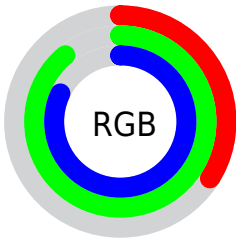
Format	Color
RYB	86, 161, 227
Decimal	5694418
CIELab	82.69, -41.68, -2.99
CIElCh	83, 41.792, 184.109
Yxy	61.5737, 0.2452, 0.3515
Android (android.graphics.Color)	4283884498 (0xFF56E3D2)
YUV	182.9030, 13.3588, -84.9839
Hunter-Lab	78.4689, -39.6194, 1.5489

Details

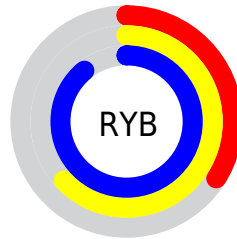
The RYB color **86, 161, 227** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **227, 86, 103**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **149, 202, 255**, and **0, 89, 171** is the 20% darker color. If you saturate the color by 10%, you get **63, 150, 227**, and if you desaturate by 10%, it is **109, 172, 227**.

Distribution



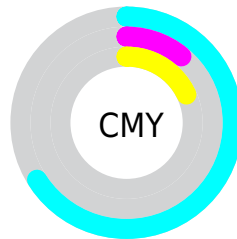
- Red (34%)
- Green (89%)
- Blue (82%)



- Red (34%)
- Yellow (63%)
- Blue (89%)



- Cyan (62%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



















- Cyan (66%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 161, 227 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, 161, 227 by changing the saturation by 10% instead.

 86, 161, 227	 86, 161, 227
 255, 255, 255	 48, 128, 199
 149, 202, 255	 0, 89, 171
 180, 218, 255	 0, 76, 144
 210, 233, 255	 0, 62, 118
 241, 248, 255	 0, 49, 92
	 0, 37, 68
	 0, 25, 45
	 0, 9, 17
	 0, 0, 0

■ 86, 161, 227

■ 86, 161, 227

■ 63, 150, 227

■ 109, 172, 227

■ 41, 140, 227

■ 131, 182, 227

■ 18, 129, 227

■ 154, 193, 227

■ 0, 121, 227

■ 177, 204, 227

■ 200, 214, 227

■ 222, 225, 227

■ 245, 227, 229

■ 255, 227, 232

■ 255, 227, 235

Harmonies

Analogous

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



138, 201, 224



86, 161, 227



50, 143, 249

Triad

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



86, 161, 227



218, 194, 255



255, 242, 136

Complementary

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



86, 161, 227



227, 86, 103

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, 183, 164



86, 161, 227



255, 181, 241

Square

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



86, 161, 227



159, 191, 255



255, 175, 202



155, 227, 127

Rectangle

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



86, 161, 227



72, 154, 255



255, 175, 202



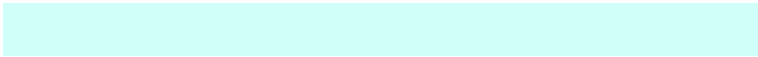
255, 214, 144

Sweetspot

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



86, 161, 227



207, 233, 255



86, 227, 208



98, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 161, 227



64, 166, 255



86, 141, 227



103, 110, 115



0, 95, 179



0, 27, 51

Inverse Universe

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



227, 86, 103



255, 64, 87



227, 168, 86



115, 103, 105



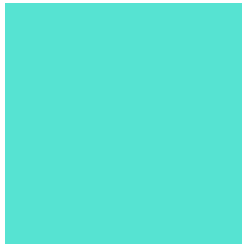
179, 0, 21



51, 0, 6

Previews

White Background



This preview shows how the RYB color 86, 161, 227 looks on a white background.

Color Contrast Check

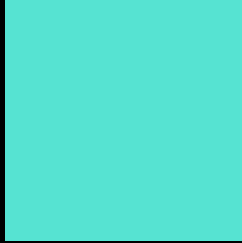
Large Text (above 18pt) WCAG AA × Fail

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, 161, 227 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

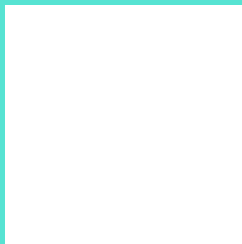
Any Text WCAG AAA ✓ Pass

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

RYB 86, 161, 227 Background



This preview shows how black text looks on a background with the RYB color 86, 161, 227.

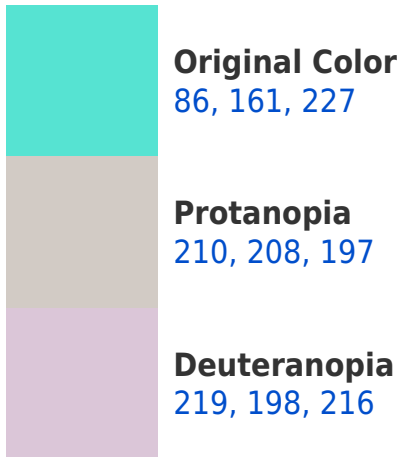


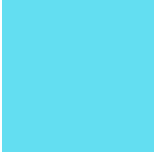
This preview shows how white text looks on a background with the RYB color 86, 161, 227.

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
99, 165, 241

Trichromacy



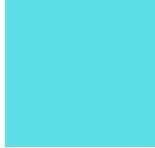
Original Color
86, 161, 227



Protanomaly
165, 191, 212



Deuteranomaly
171, 191, 214

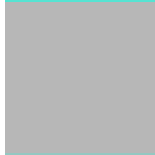


Tritanomaly
94, 160, 230

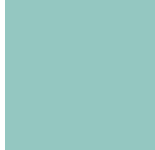
Monochromacy



Original Color
86, 161, 227



Achromatopsia
183, 183, 183



Achromatomaly
148, 175, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 161, 227 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, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(86, 227, 210)  
}
```

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, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 227, 210) }
```

Border

The CSS property to change the border of an element to RYB 86, 161, 227 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, 227, 210) }
```

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

```
.border{ border-color:rgb(86, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(86, 227,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 86, 161, 227 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 227, 210) }
```

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

```
.background{ background-color: rgb(86, 227,  
210) }
```

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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