

Converting Colors

`RYB(86, 150, 214)`

Have a look what the booklet for
RYB(86, 150, 214) contains.

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Color

`RYB(86, 150, 214)`

Conversions

Conversions Part 1

Format	Color
Hex	56D6D6
RGB	86, 214, 214
RGB Percent	34%, 84%, 84%
CMY	0.6627, 0.1608, 0.1608
CMYK	0.60, 0.00, 0.00, 0.16
HSL	180°, 61%, 59%
HSV	180°, 60%, 84%
XYZ	40.0219, 54.9266, 72.1108
YIQ	175.7280, -76.2880, -27.1360

Conversions

Conversions Part 2

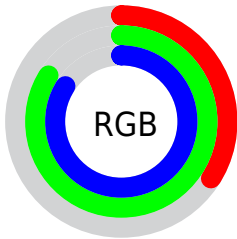
Format	Color
RYB	86, 150, 214
Decimal	5691094
CIELab	79.00, -34.72, -10.54
CIELCh	79, 36.280, 196.890
Yxy	54.9266, 0.2396, 0.3288
Android (android.graphics.Color)	4283881174 (0xFF56D6D6)
YUV	175.7280, 18.8681, -78.6915
Hunter-Lab	74.1125, -33.3040, -5.8099

Details

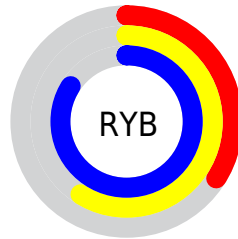
The RYB color **86, 150, 214** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **214, 86, 86**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **148, 202, 255**, and **0, 80, 159** is the 20% darker color. If you saturate the color by 10%, you get **65, 140, 214**, and if you desaturate by 10%, it is **107, 161, 214**.

Distribution



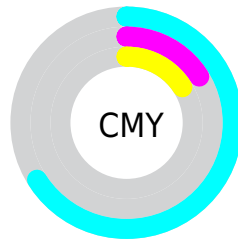
- Red (34%)
- Green (84%)
- Blue (84%)



- Red (34%)
- Yellow (59%)
- Blue (84%)



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



















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

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 150, 214 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, 150, 214 by changing the saturation by 10% instead.

 86, 150, 214	 86, 150, 214
 255, 255, 255	 49, 118, 186
 148, 202, 255	 0, 80, 159
 179, 217, 255	 0, 66, 133
 209, 232, 255	 0, 53, 108
 239, 247, 255	 0, 41, 84
	 0, 30, 61
	 0, 19, 39
	 0, 1, 19
	 0, 0, 0

■ 86, 150, 214

■ 86, 150, 214

■ 65, 140, 214

■ 107, 161, 214

■ 43, 129, 214

■ 129, 172, 214

■ 22, 118, 214

■ 150, 182, 214

■ 0, 107, 214

■ 172, 193, 214

■ 193, 204, 214

■ 214, 214, 214

■ 236, 214, 214

■ 255, 214, 214

Harmonies

Analogous

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



121, 177, 213



86, 150, 214



85, 155, 244

Triad

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



86, 150, 214



224, 180, 242



207, 232, 130

Complementary

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



86, 150, 214



214, 86, 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.



255, 188, 148



86, 150, 214



253, 172, 212

Square

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



86, 150, 214



179, 190, 255



255, 171, 178



130, 200, 131

Rectangle

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



86, 150, 214



110, 168, 255



255, 171, 178



241, 231, 134

Sweetspot

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



86, 150, 214



209, 232, 255



86, 214, 214



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 150, 214



71, 163, 255



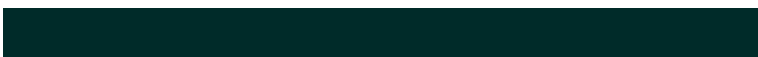
86, 129, 214



96, 102, 107



0, 86, 171



0, 22, 43

Inverse Universe

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



214, 86, 214



255, 71, 255



214, 214, 86



107, 96, 107



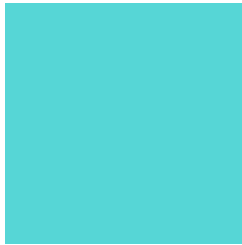
171, 0, 171



43, 0, 43

Previews

White Background



This preview shows how the RYB color 86, 150, 214 looks on a white background.

Color Contrast Check

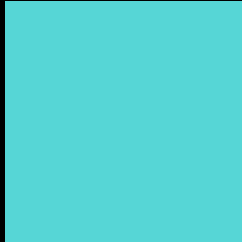
Large Text (above 18pt) WCAG AA × Fail

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, 150, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

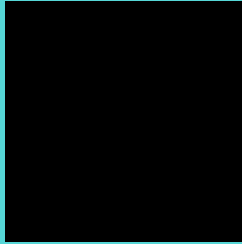
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

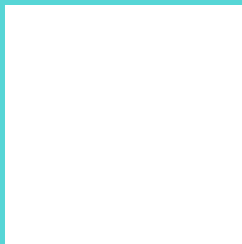
Any Text WCAG AAA ✓ Pass

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

RYB 86, 150, 214 Background



This preview shows how black text looks on a background with the RYB color 86, 150, 214.

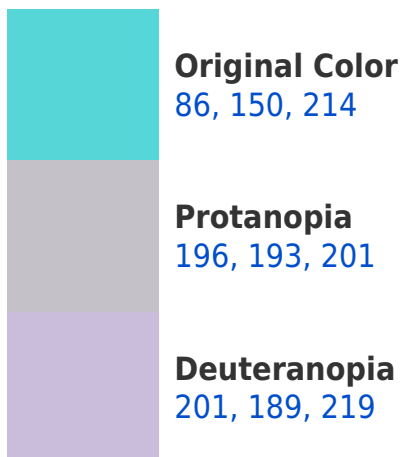


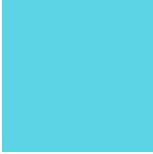
This preview shows how white text looks on a background with the RYB color 86, 150, 214.

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
92, 156, 229

Trichromacy



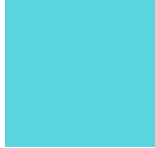
Original Color
86, 150, 214



Protanomaly
156, 180, 206



Deuteranomaly
159, 182, 217

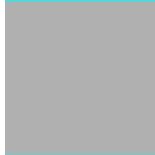


Tritanomaly
90, 154, 224

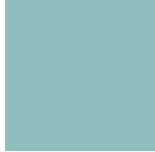
Monochromacy



Original Color
86, 150, 214



Achromatopsia
176, 176, 176



Achromatomaly
143, 167, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 150, 214 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, 214, 214) looks like.

```
.text, #text, p{  
    color:rgb(86, 214, 214)  
}
```

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, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 214, 214) }
```

Border

The CSS property to change the border of an element to RYB 86, 150, 214 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, 214, 214) }
```

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

```
.border{ border-color:rgb(86, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(86, 214,  
214) }
```

Background

The CSS property to change the background color of an element to RGB 86, 150, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 214, 214) }
```

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

```
.background{ background-color: rgb(86, 214,  
214) }
```

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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