

Converting Colors

`RYB(84, 163, 226)`

Have a look what the booklet for
RYB(84, 163, 226) contains.

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Color

`RYB(84, 163, 226)`

Conversions

Conversions Part 1

Format	Color
Hex	54E2C5
RGB	84, 226, 197
RGB Percent	33%, 89%, 77%
CMY	0.6706, 0.1137, 0.2265
CMYK	0.63, 0.00, 0.13, 0.11
HSL	168°, 71%, 61%
HSV	168°, 63%, 89%
XYZ	40.9581, 60.3198, 62.4521
YIQ	180.2360, -75.3230, -39.1230

Conversions

Conversions Part 2

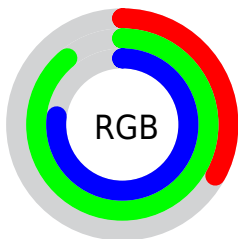
Format	Color
RYB	84, 163, 226
Decimal	5563077
CIELab	82.01, -44.80, 2.81
CIELCh	82, 44.890, 176.407
Yxy	60.3198, 0.2502, 0.3684
Android (android.graphics.Color)	4283753157 (0xFF54E2C5)
YUV	180.2360, 8.2647, -84.3990
Hunter-Lab	77.6658, -41.7807, 6.6902

Details

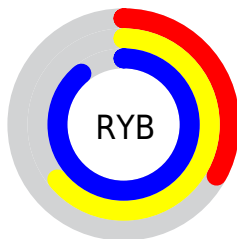
The RYB color **84, 163, 226** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **226, 84, 113**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **147, 201, 255**, and **0, 92, 170** is the 20% darker color. If you saturate the color by 10%, you get **61, 153, 226**, and if you desaturate by 10%, it is **107, 173, 226**.

Distribution



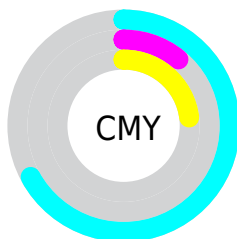
- Red (33%)
- Green (89%)
- Blue (77%)



- Red (33%)
- Yellow (64%)
- Blue (89%)



- Cyan (63%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




















- Cyan (67%)
- Magenta (11%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the RYB color 84, 163, 226 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 84, 163, 226 by changing the saturation by 10% instead.


 84, 163, 226	 84, 163, 226
 255, 255, 255	 46, 130, 198
 147, 201, 255	 0, 92, 170
 178, 217, 255	 0, 78, 143
 208, 232, 255	 0, 64, 116
 238, 247, 255	 0, 51, 91
	 0, 38, 66
	 0, 27, 44
	 0, 13, 13
	 0, 0, 0

 84, 163, 226


 84, 163, 226

 61, 153, 226

 107, 173, 226

 39, 143, 226

 129, 183, 226

 16, 133, 226

 152, 193, 226

 0, 126, 226

 174, 203, 226

 197, 213, 226

 220, 223, 226

 242, 226, 229

 255, 226, 234

 255, 226, 238

Harmonies

Analogous

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



143, 211, 222



84, 163, 226



0, 116, 240

Triad

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



84, 163, 226



201, 195, 255



255, 221, 135

Complementary

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



84, 163, 226



226, 84, 113

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, 173, 169



84, 163, 226



252, 180, 251

Square

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



84, 163, 226



132, 180, 255



255, 171, 211



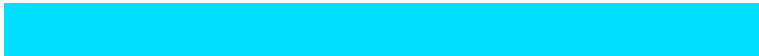
171, 236, 119

Rectangle

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



84, 163, 226



0, 119, 255



255, 171, 211



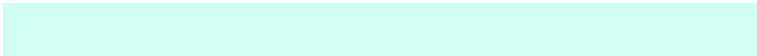
255, 196, 145

Sweetspot

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



84, 163, 226



207, 234, 255



84, 226, 195



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 163, 226



64, 170, 255



84, 143, 226



101, 107, 112



0, 98, 176



0, 26, 48

Inverse Universe

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



226, 84, 113



255, 64, 102



226, 140, 84



112, 101, 103



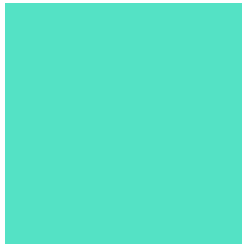
176, 0, 36



48, 0, 10

Previews

White Background



This preview shows how the RYB color 84, 163, 226 looks on a white background.

Color Contrast Check

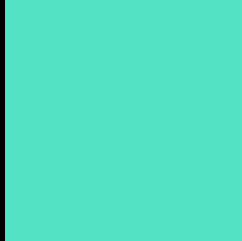
Large Text (above 18pt) WCAG AA × Fail

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 84, 163, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

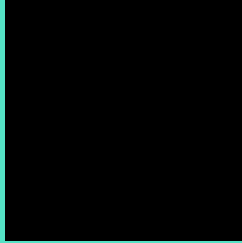
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

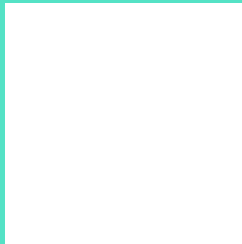
Any Text WCAG AAA ✓ Pass

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

RYB 84, 163, 226 Background



This preview shows how black text looks on a background with the RYB color 84, 163, 226.

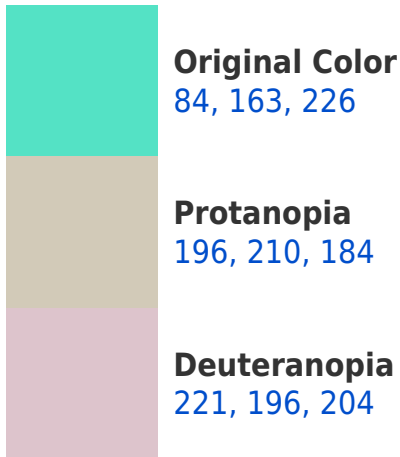


This preview shows how white text looks on a background with the RYB color 84, 163, 226.

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





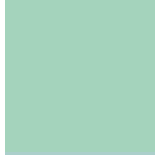
Tritanopia
101, 165, 238

Trichromacy



Original Color

84, 163, 226



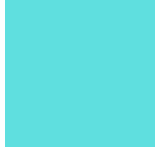
Protanomaly

164, 195, 211



Deuteranomaly

171, 190, 207



Tritanomaly

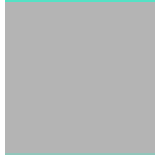
95, 159, 223

Monochromacy



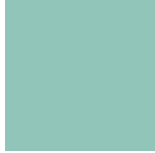
Original Color

84, 163, 226



Achromatopsia

180, 180, 180



Achromatomaly

145, 174, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 163, 226 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(84, 226, 197)` looks like.

```
.text, #text, p{  
    color:rgb(84, 226, 197)  
}
```

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(84, 226, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 226, 197) }
```

Border

The CSS property to change the border of an element to RYB 84, 163, 226 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(84, 226, 197) }
```

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

```
.border{ border-color:rgb(84, 226, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 226, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 226, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 226, 197);  
box-shadow:4px 4px 4px 4px rgb(84, 226,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 84, 163, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 226, 197) }
```

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

```
.background{ background-color: rgb(84, 226,  
197) }
```

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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