

Converting Colors

`RYB(84, 137, 195)`

Have a look what the booklet for
RYB(84, 137, 195) contains.

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Color

`RYB(84, 137, 195)`

Conversions

Conversions Part 1

Format	Color
Hex	54B9C3
RGB	84, 185, 195
RGB Percent	33%, 73%, 76%
CMY	0.6706, 0.2728, 0.2353
CMYK	0.57, 0.05, 0.00, 0.24
HSL	185°, 48%, 55%
HSV	185°, 57%, 76%
XYZ	30.9458, 40.7035, 57.8553
YIQ	155.9410, -63.4060, -18.3020

Conversions

Conversions Part 2

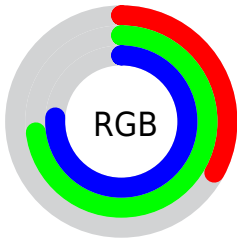
Format	Color
RYB	84, 137, 195
Decimal	5552579
CIELab	69.97, -26.58, -13.77
CIELCh	70, 29.933, 207.391
Yxy	40.7035, 0.2390, 0.3143
Android (android.graphics.Color)	4283742659 (0xFF54B9C3)
YUV	155.9410, 19.2561, -63.0923
Hunter-Lab	63.7993, -25.0676, -9.1066

Details

The RYB color **84, 137, 195** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **195, 95, 84**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **143, 195, 252**, and **0, 68, 141** is the 20% darker color. If you saturate the color by 10%, you get **65, 127, 195**, and if you desaturate by 10%, it is **104, 147, 195**.

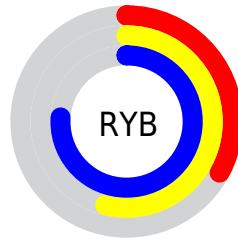
Distribution



Red (33%)

Green (73%)

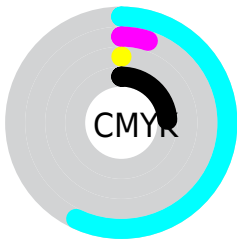
Blue (76%)



Red (33%)

Yellow (54%)

Blue (76%)

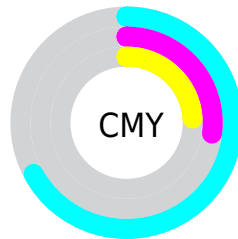


Cyan (57%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (67%)


Magenta (27%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the RYB color 84, 137, 195 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, 137, 195 by changing the saturation by 10% instead.

 84, 137, 195

 84, 137, 195

255, 255, 255

 51, 107, 168

 143, 195, 252

 0, 68, 141


 172, 214, 255

 0, 55, 116

 202, 229, 255

 0, 43, 91


 231, 243, 255


 0, 31, 68

 0, 21, 46

 0, 1, 26

 0, 0, 0

 84, 137, 195

 84, 137, 195

■ 65, 127, 195

■ 104, 147, 195

■ 45, 117, 195

■ 123, 157, 195

■ 25, 106, 195

■ 143, 168, 195

■ 6, 96, 195

■ 162, 178, 195

■ 0, 93, 195

■ 182, 188, 195

■ 201, 196, 195

■ 220, 197, 195

■ 240, 199, 195

■ 255, 202, 195

Harmonies

Analogous

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



102, 149, 186



84, 137, 195



96, 146, 216

Triad

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



84, 137, 195



203, 156, 201



152, 192, 117

Complementary

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



84, 137, 195



195, 95, 84

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.



214, 179, 126



84, 137, 195



222, 151, 174

Square

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



84, 137, 195



172, 165, 219



225, 152, 147



122, 177, 135

Rectangle

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



84, 137, 195



119, 156, 223



225, 152, 147



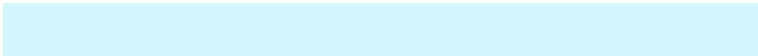
182, 201, 118

Sweetspot

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



84, 137, 195



210, 230, 252



84, 187, 195



102, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 137, 195



81, 163, 252



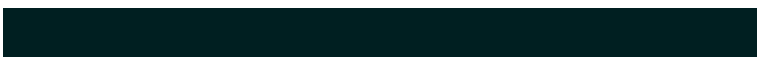
84, 117, 195



87, 92, 97



0, 77, 161



0, 16, 33

Inverse Universe

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



195, 84, 185



252, 81, 238



163, 195, 84



97, 87, 96



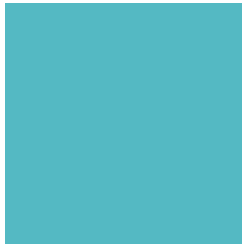
161, 0, 147



33, 0, 30

Previews

White Background



This preview shows how the RYB color 84, 137, 195 looks on a white background.

Color Contrast Check

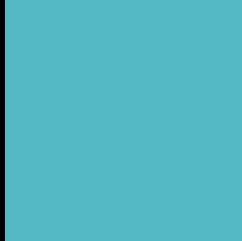
Large Text (above 18pt) WCAG AA × Fail

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, 137, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

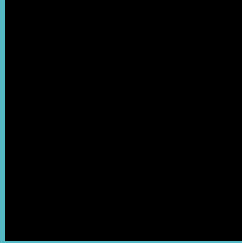
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

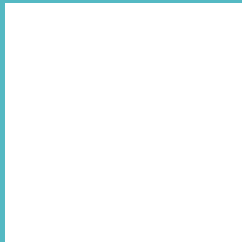
Any Text WCAG AAA ✓ Pass

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

R Y B 84, 137, 195 Background



This preview shows how black text looks on a background with the R Y B color 84, 137, 195.

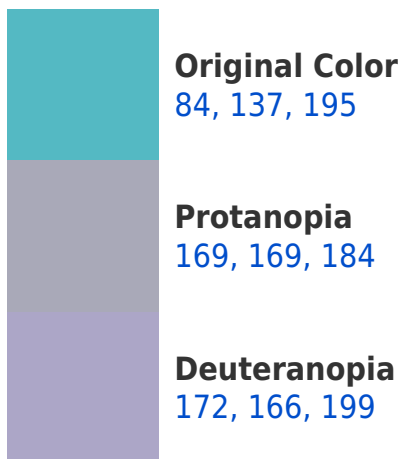


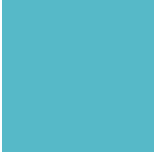
This preview shows how white text looks on a background with the R Y B color 84, 137, 195.

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
86, 139, 200

Trichromacy



Original Color

84, 137, 195



Protanomaly

138, 159, 188



Deuteranomaly

140, 161, 198



Tritanomaly

85, 138, 198

Monochromacy



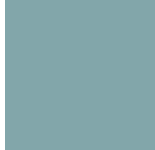
Original Color

84, 137, 195



Achromatopsia

156, 156, 156



Achromatomaly

130, 149, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 137, 195 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, 185, 195)` looks like.

```
.text, #text, p{  
    color:rgb(84, 185, 195)  
}
```

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, 185, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 185, 195) }
```

Border

The CSS property to change the border of an element to RYB 84, 137, 195 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, 185, 195) }
```

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

```
.border{ border-color:rgb(84, 185, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 185, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 185, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 185, 195);  
box-shadow:4px 4px 4px 4px rgb(84, 185,  
195) }
```

Background

The CSS property to change the background color of an element to RGB 84, 137, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 185, 195) }
```

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

```
.background{ background-color: rgb(84, 185,  
195) }
```

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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