

Converting Colors

`RYB(84, 152, 215)`

Have a look what the booklet for
RYB(84, 152, 215) contains.

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Color

RYB(84, 152, 215)

Conversions

Conversions Part 1

Format	Color
Hex	54D7CD
RGB	84, 215, 205
RGB Percent	33%, 84%, 80%
CMY	0.6706, 0.1569, 0.1946
CMYK	0.61, 0.00, 0.04, 0.16
HSL	176°, 62%, 59%
HSV	176°, 61%, 84%
XYZ	39.0205, 54.9113, 66.5329
YIQ	174.6910, -74.8660, -30.8820

Conversions

Conversions Part 2

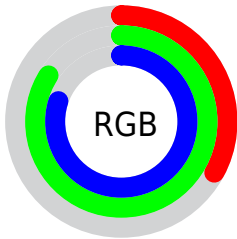
Format	Color
RYB	84, 152, 215
Decimal	5560269
CIELab	78.99, -37.83, -5.94
CIElCh	79, 38.293, 188.923
Yxy	54.9113, 0.2432, 0.3422
Android (android.graphics.Color)	4283750349 (0xFF54D7CD)
YUV	174.6910, 14.9423, -79.5360
Hunter-Lab	74.1021, -35.6847, -1.3623

Details

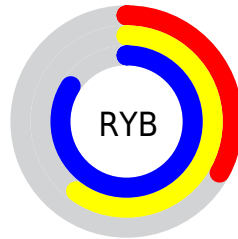
The RYB color **84, 152, 215** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **215, 84, 94**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **146, 201, 255**, and **0, 82, 160** is the 20% darker color. If you saturate the color by 10%, you get **63, 142, 215**, and if you desaturate by 10%, it is **106, 163, 215**.

Distribution



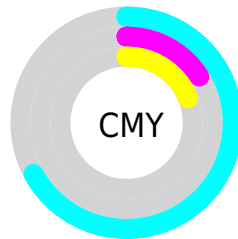
- Red (33%)
- Green (84%)
- Blue (80%)



- Red (33%)
- Yellow (60%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



















- Cyan (67%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 152, 215 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, 152, 215 by changing the saturation by 10% instead.

 84, 152, 215	 84, 152, 215
 255, 255, 255	 47, 119, 187
 146, 201, 255	 0, 82, 160
 177, 216, 255	 0, 69, 133
 207, 231, 255	 0, 55, 107
 237, 246, 255	 0, 42, 82
	 0, 30, 58
	 0, 20, 38
	 0, 0, 10
	 0, 0, 0

■ 84, 152, 215

■ 84, 152, 215

■ 63, 142, 215

■ 106, 163, 215

■ 41, 131, 215

■ 127, 173, 215

■ 20, 121, 215

■ 149, 183, 215

■ 0, 112, 215

■ 170, 193, 215

■ 192, 204, 215

■ 213, 214, 215

■ 235, 215, 216

■ 255, 215, 218

■ 255, 215, 220

Harmonies

Analogous

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



127, 185, 213



84, 152, 215



66, 145, 239

Triad

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



84, 152, 215



214, 183, 251



241, 239, 130

Complementary

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



84, 152, 215



215, 84, 94

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, 180, 152



84, 152, 215



249, 172, 222

Square

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



84, 152, 215



163, 187, 255



255, 168, 186



138, 209, 124

Rectangle

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



84, 152, 215



88, 158, 255



255, 168, 186



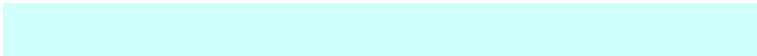
250, 210, 136

Sweetspot

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



84, 152, 215



209, 233, 255



84, 215, 204



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 152, 215



69, 166, 255



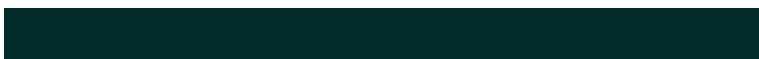
84, 132, 215



96, 102, 107



0, 89, 171



0, 22, 43

Inverse Universe

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



215, 84, 94



255, 69, 83



215, 179, 84



107, 96, 97



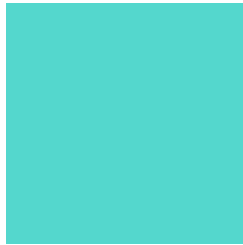
171, 0, 13



43, 0, 3

Previews

White Background



This preview shows how the RYB color 84, 152, 215 looks on a white background.

Color Contrast Check

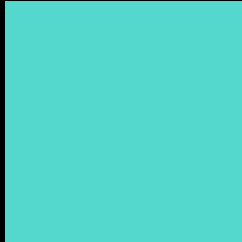
Large Text (above 18pt) WCAG AA × Fail

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, 152, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

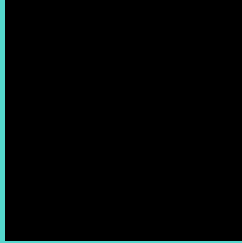
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

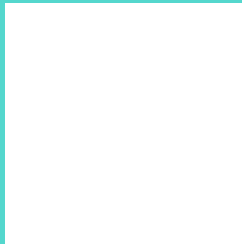
Any Text WCAG AAA ✓ Pass

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

RYP 84, 152, 215 Background



This preview shows how black text looks on a background with the RYP color 84, 152, 215.

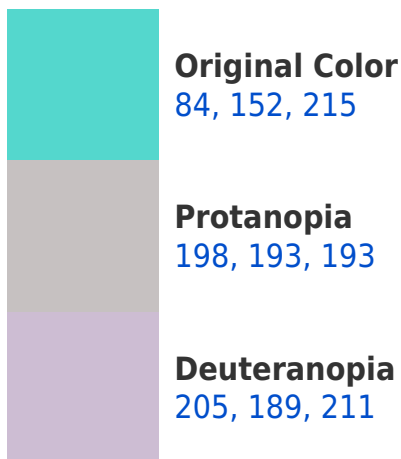


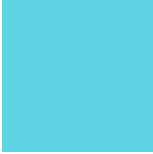
This preview shows how white text looks on a background with the RYP color 84, 152, 215.

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
94, 157, 229

Trichromacy



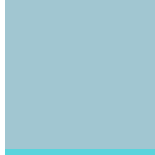
Original Color

84, 152, 215



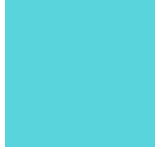
Protanomaly

157, 180, 201



Deuteranomaly

161, 182, 209



Tritanomaly

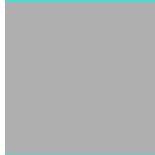
90, 153, 220

Monochromacy



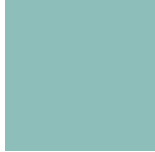
Original Color

84, 152, 215



Achromatopsia

175, 175, 175



Achromatomaly

142, 167, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 152, 215 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, 215, 205)` looks like.

```
.text, #text, p{  
    color:rgb(84, 215, 205)  
}
```

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, 215, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 215, 205) }
```

Border

The CSS property to change the border of an element to RYB 84, 152, 215 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, 215, 205) }
```

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

```
.border{ border-color:rgb(84, 215, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 215, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 215, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 215, 205);  
box-shadow:4px 4px 4px 4px rgb(84, 215,  
205) }
```

Background

The CSS property to change the background color of an element to RGB 84, 152, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 215, 205) }
```

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

```
.background{ background-color: rgb(84, 215,  
205) }
```

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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