

Converting Colors

`RYB(82, 145, 193)`

Have a look what the booklet for
RYB(82, 145, 193) contains.

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Color

$\text{RYB}(82, 145, 193)$

Conversions

Conversions Part 1

Format	Color
Hex	52C1A7
RGB	82, 193, 167
RGB Percent	32%, 76%, 65%
CMY	0.6784, 0.2431, 0.3468
CMYK	0.58, 0.00, 0.14, 0.24
HSL	166°, 47%, 54%
HSV	166°, 58%, 76%
XYZ	29.4851, 42.7080, 43.0413
YIQ	156.8470, -57.8100, -31.6180

Conversions

Conversions Part 2

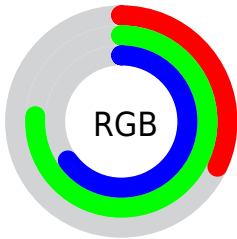
Format	Color
RYB	82, 145, 193
Decimal	5423527
CIELab	71.36, -38.06, 3.83
CIElCh	71, 38.255, 174.250
Yxy	42.7080, 0.2559, 0.3706
Android (android.graphics.Color)	4283613607 (0xFF52C1A7)
YUV	156.8470, 5.0054, -65.6408
Hunter-Lab	65.3513, -33.8294, 6.6967

Details

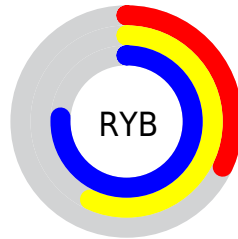
The RYB color **82, 145, 193** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **193, 82, 108**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **141, 204, 250**, and **0, 76, 139** is the 20% darker color. If you saturate the color by 10%, you get **63, 137, 193**, and if you desaturate by 10%, it is **101, 153, 193**.

Distribution



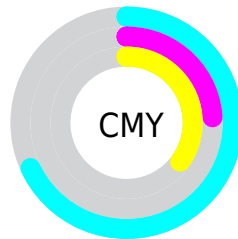
- Red (32%)
- Green (76%)
- Blue (65%)



- Red (32%)
- Yellow (57%)
- Blue (76%)



- Cyan (58%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (68%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the RYB color 82, 145, 193 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 82, 145, 193 by changing the saturation by 10% instead.

 82, 145, 193

 82, 145, 193

255, 255, 255

 50, 115, 165

 141, 204, 250

 0, 76, 139

 170, 214, 255

 0, 63, 113

 199, 227, 255

 0, 50, 88


 228, 242, 255


 0, 37, 63

 0, 26, 41

 0, 9, 9

 0, 0, 0

 82, 145, 193

 82, 145, 193

■ 63, 137, 193

■ 101, 153, 193

■ 43, 128, 193

■ 121, 162, 193

■ 24, 120, 193

■ 140, 170, 193

■ 5, 112, 193

■ 159, 178, 193

■ 0, 110, 193

■ 179, 187, 193

■ 198, 193, 194

■ 217, 193, 199

■ 236, 193, 203

■ 255, 193, 208

Harmonies

Analogous

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



128, 184, 189



82, 145, 193



31, 114, 202

Triad

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



82, 145, 193



169, 168, 238



230, 179, 119

Complementary

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



82, 145, 193



193, 82, 108

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.



243, 149, 148



82, 145, 193



212, 156, 216

Square

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



82, 145, 193



112, 157, 244



237, 148, 183



157, 204, 105

Rectangle

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



82, 145, 193



31, 118, 222



237, 148, 183



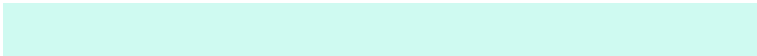
236, 164, 128

Sweetspot

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



82, 145, 193



207, 231, 250



82, 193, 165



100, 114, 125



252, 252, 252



125, 125, 125

Same Dimension

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



82, 145, 193



77, 175, 250



82, 129, 193



87, 93, 97



0, 92, 161



0, 19, 33

Inverse Universe

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



193, 82, 108



250, 77, 119



193, 119, 82



97, 87, 90



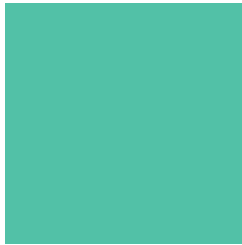
161, 0, 38



33, 0, 8

Previews

White Background



This preview shows how the RYB color 82, 145, 193 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 82, 145, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

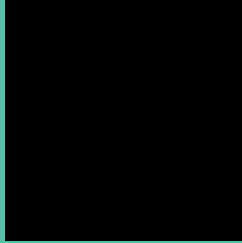
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

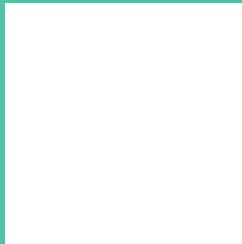
Any Text WCAG AAA ✓ Pass

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

RYB 82, 145, 193 Background



This preview shows how black text looks on a background with the RYB color 82, 145, 193.

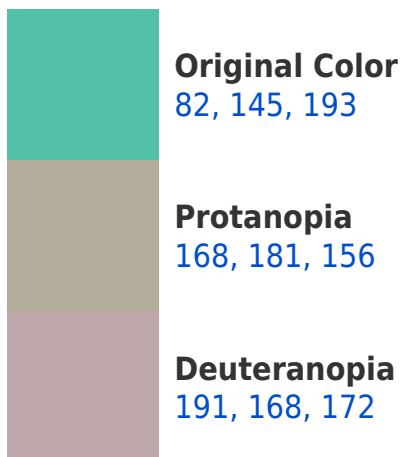


This preview shows how white text looks on a background with the RYB color 82, 145, 193.

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
95, 145, 203

Trichromacy



Original Color

82, 145, 193



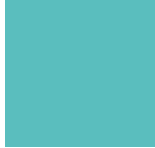
Protanomaly

145, 170, 180



Deuteranomaly

151, 166, 177



Tritanomaly

90, 140, 190

Monochromacy



Original Color

82, 145, 193



Achromatopsia

157, 157, 157



Achromatomaly

130, 153, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 145, 193 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(82, 193, 167)` looks like.

```
.text, #text, p{  
    color:rgb(82, 193, 167)  
}
```

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(82, 193, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 193, 167) }
```

Border

The CSS property to change the border of an element to RYB 82, 145, 193 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(82, 193, 167) }
```

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

```
.border{ border-color:rgb(82, 193, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 193, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 193, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 193, 167);  
box-shadow:4px 4px 4px 4px rgb(82, 193,  
167) }
```

Background

The CSS property to change the background color of an element to RGB 82, 145, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 193, 167) }
```

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

```
.background{ background-color: rgb(82, 193,  
167) }
```

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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