

Converting Colors

`RYB(90, 145, 199)`

Have a look what the booklet for
RYB(90, 145, 199) contains.

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Color

$\text{RYB}(90, 145, 199)$

Conversions

Conversions Part 1

Format	Color
Hex	5AC7C5
RGB	90, 199, 197
RGB Percent	35%, 78%, 77%
CMY	0.6471, 0.2196, 0.2274
CMYK	0.55, 0.00, 0.01, 0.22
HSL	179°, 49%, 57%
HSV	179°, 55%, 78%
XYZ	34.7200, 47.0526, 60.0864
YIQ	166.1810, -64.3220, -23.7300

Conversions

Conversions Part 2

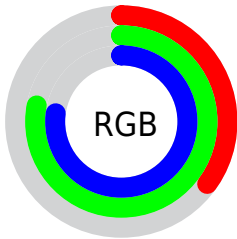
Format	Color
RYB	90, 145, 199
Decimal	5949381
CIELab	74.22, -31.47, -8.49
CIELCh	74, 32.595, 195.097
Yxy	47.0526, 0.2448, 0.3317
Android (android.graphics.Color)	4284139461 (0xFF5AC7C5)
YUV	166.1810, 15.1938, -66.8107
Hunter-Lab	68.5949, -29.6914, -3.9193

Details

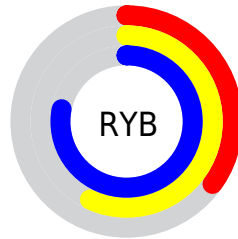
The RYB color **90, 145, 199** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **199, 90, 92**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **149, 202, 255**, and **10, 78, 145** is the 20% darker color. If you saturate the color by 10%, you get **70, 135, 199**, and if you desaturate by 10%, it is **110, 155, 199**.

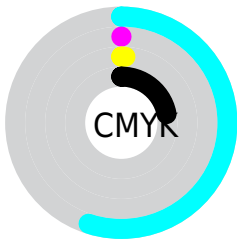
Distribution



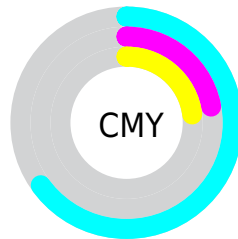
- Red (35%)
- Green (78%)
- Blue (77%)



- Red (35%)
- Yellow (57%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)




- Cyan (65%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 145, 199 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 90, 145, 199 by changing the saturation by 10% instead.

 90, 145, 199


255, 255, 255


 149, 202, 255

 179, 217, 255

 208, 232, 255

 238, 247, 255

 90, 145, 199

 58, 115, 171

 10, 78, 145

 0, 60, 119


 0, 47, 93


 0, 35, 70

 0, 23, 47

 0, 13, 27

 0, 0, 0

 90, 145, 199

 90, 145, 199

70, 135, 199

110, 155, 199

50, 125, 199

130, 165, 199

30, 115, 199

150, 175, 199

10, 105, 199

170, 185, 199

0, 101, 199

190, 195, 199

209, 199, 199

229, 199, 200

249, 199, 200

255, 199, 200

Harmonies

Analogous

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



119, 169, 198



90, 145, 199



88, 148, 224

Triad

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



90, 145, 199



205, 170, 225



199, 217, 125

Complementary

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



90, 145, 199



199, 90, 92

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.



236, 175, 141



90, 145, 199



232, 162, 199

Square

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



90, 145, 199



166, 178, 240



242, 160, 168



127, 188, 124

Rectangle

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



90, 145, 199



107, 158, 236



242, 160, 168



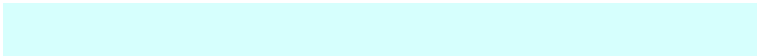
224, 208, 129

Sweetspot

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



90, 145, 199



214, 235, 255



90, 199, 195



103, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



90, 145, 199



87, 172, 255



90, 128, 199



90, 95, 99



0, 82, 163



0, 18, 36

Inverse Universe

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



199, 90, 92



255, 87, 90



199, 186, 90



99, 90, 90



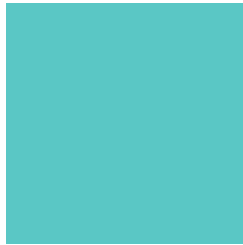
163, 0, 3



36, 0, 1

Previews

White Background



This preview shows how the RYB color 90, 145, 199 looks on a white background.

Color Contrast Check

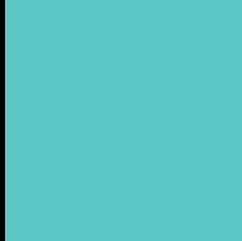
Large Text (above 18pt) WCAG AA × Fail

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 90, 145, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

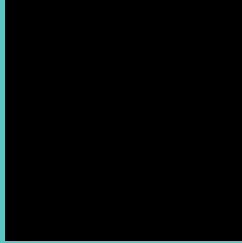
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

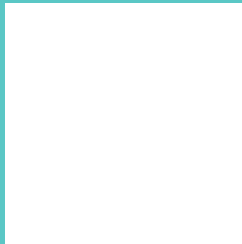
Any Text WCAG AAA ✓ Pass

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

R Y B 90, 145, 199 Background



This preview shows how black text looks on a background with the RYB color 90, 145, 199.

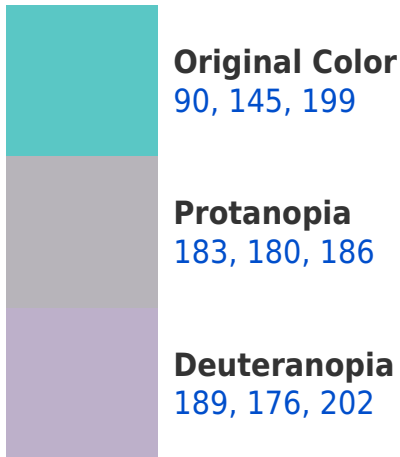


This preview shows how white text looks on a background with the RYB color 90, 145, 199.

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
96, 150, 213

Trichromacy



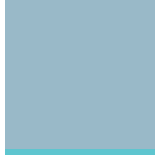
Original Color

90, 145, 199



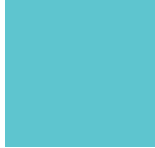
Protanomaly

149, 169, 190



Deuteranomaly

153, 172, 200



Tritanomaly

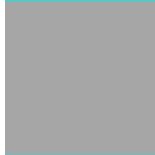
94, 148, 207

Monochromacy



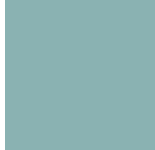
Original Color

90, 145, 199



Achromatopsia

166, 166, 166



Achromatomaly

138, 158, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 145, 199 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(90, 199, 197)` looks like.

```
.text, #text, p{  
    color:rgb(90, 199, 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(90, 199, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 199, 197) }
```

Border

The CSS property to change the border of an element to RYB 90, 145, 199 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(90, 199, 197) }
```

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

```
.border{ border-color:rgb(90, 199, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 199, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 199, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 199, 197);  
box-shadow:4px 4px 4px 4px rgb(90, 199,  
197) }
```

Background

The CSS property to change the background color of an element to RGB 90, 145, 199 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 199, 197) }
```

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

```
.background{ background-color: rgb(90, 199,  
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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