

Converting Colors

`RYB(90, 150, 196)`

Have a look what the booklet for
RYB(90, 150, 196) contains.

RYB(90, 150, 196)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(90, 150, 196)

Conversions

Conversions Part 1

Format	Color
Hex	5AC4AB
RGB	90, 196, 171
RGB Percent	35%, 77%, 67%
CMY	0.6471, 0.2314, 0.3284
CMYK	0.54, 0.00, 0.13, 0.23
HSL	166°, 47%, 56%
HSV	166°, 54%, 77%
XYZ	31.3325, 44.6040, 45.6195
YIQ	161.4560, -55.1510, -30.2470

Conversions

Conversions Part 2

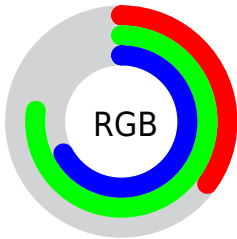
Format	Color
RYB	90, 150, 196
Decimal	5948587
CIELab	72.63, -36.63, 3.16
CIElCh	73, 36.763, 175.077
Yxy	44.6040, 0.2578, 0.3669
Android (android.graphics.Color)	4284138667 (0xFF5AC4AB)
YUV	161.4560, 4.7052, -62.6669
Hunter-Lab	66.7862, -33.1332, 6.2512

Details

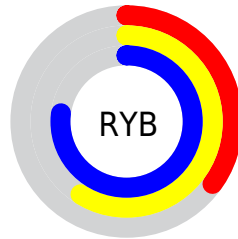
The RYB color **90, 150, 196** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **196, 90, 115**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **148, 208, 253**, and **20, 87, 142** is the 20% darker color. If you saturate the color by 10%, you get **70, 141, 196**, and if you desaturate by 10%, it is **110, 159, 196**.

Distribution



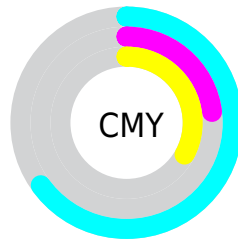
- Red (35%)
- Green (77%)
- Blue (67%)



- Red (35%)
- Yellow (59%)
- Blue (77%)



- Cyan (54%)
- Magenta (0%)
- Yellow (13%)
- Black (23%)



- Cyan (65%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 150, 196 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, 150, 196 by changing the saturation by 10% instead.



90, 150, 196



90, 150, 196

255, 255, 255



59, 120, 168



148, 208, 253



20, 87, 142



177, 216, 255



0, 64, 116



206, 231, 255



0, 50, 90



235, 245, 255



0, 38, 66



0, 26, 43



0, 16, 17



0, 0, 0



90, 150, 196



90, 150, 196

■ 70, 141, 196

■ 110, 159, 196

■ 51, 133, 196

■ 129, 167, 196

■ 31, 124, 196

■ 149, 176, 196

■ 12, 116, 196

■ 168, 184, 196

■ 0, 111, 196

■ 188, 193, 196

■ 208, 196, 199

■ 227, 196, 203

■ 247, 196, 208

■ 255, 196, 212

Harmonies

Analogous

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



133, 187, 192



90, 150, 196



53, 127, 206

Triad

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



90, 150, 196



174, 172, 239



231, 185, 124

Complementary

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



90, 150, 196



196, 90, 115

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.



244, 154, 151



90, 150, 196



215, 160, 217

Square

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



90, 150, 196



122, 163, 245



239, 153, 185



159, 206, 111

Rectangle

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



90, 150, 196



55, 131, 225



239, 153, 185



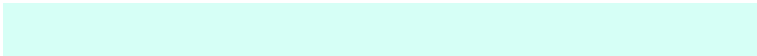
237, 168, 132

Sweetspot

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



90, 150, 196



214, 237, 255



90, 196, 171



103, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



90, 150, 196



89, 183, 255



90, 135, 196



87, 93, 97



0, 91, 161



0, 19, 33

Inverse Universe

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



196, 90, 115



255, 89, 128



196, 128, 90



97, 87, 89



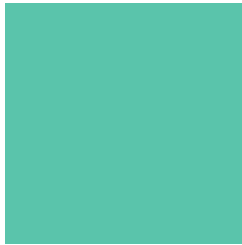
161, 0, 37



33, 0, 8

Previews

White Background



This preview shows how the RYB color 90, 150, 196 looks on a white background.

Color Contrast Check

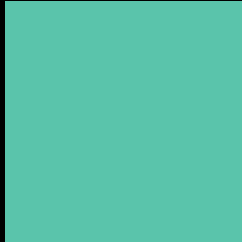
Large Text (above 18pt) WCAG AA × Fail

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, 150, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

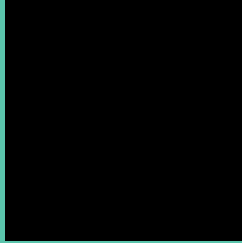
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

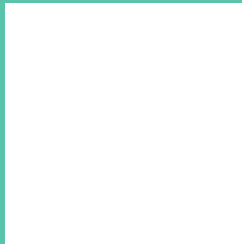
Any Text WCAG AAA ✓ Pass

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

R Y B 90, 150, 196 Background



This preview shows how black text looks on a background with the RYB color 90, 150, 196.

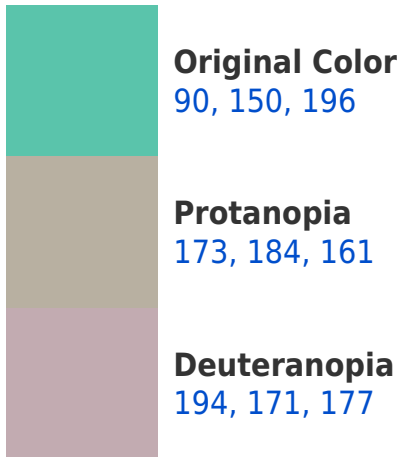


This preview shows how white text looks on a background with the RYB color 90, 150, 196.

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





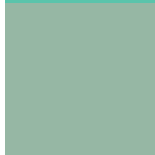
Tritanopia
102, 150, 206

Trichromacy



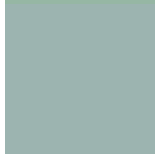
Original Color

90, 150, 196



Protanomaly

150, 173, 183



Deuteranomaly

156, 169, 180



Tritanomaly

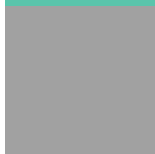
98, 146, 193

Monochromacy



Original Color

90, 150, 196



Achromatopsia

161, 161, 161



Achromatomaly

135, 157, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 150, 196 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, 196, 171)` looks like.

```
.text, #text, p{  
    color:rgb(90, 196, 171)  
}
```

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, 196, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 196, 171) }
```

Border

The CSS property to change the border of an element to RYB 90, 150, 196 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, 196, 171) }
```

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

```
.border{ border-color:rgb(90, 196, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 196, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 196, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 196, 171);  
box-shadow:4px 4px 4px 4px rgb(90, 196,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 90, 150, 196 is called "background".

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

```
.background, #background, body{  
background: rgb(90, 196, 171) }
```

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

```
.background{ background-color: rgb(90, 196,  
171) }
```

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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