

Converting Colors

`RYB(90, 167, 219)`

Have a look what the booklet for
RYB(90, 167, 219) contains.

RYB(90, 167, 219)	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

$\text{RYB}(90, 167, 219)$

Conversions

Conversions Part 1

Format	Color
Hex	5ADBB1
RGB	90, 219, 177
RGB Percent	35%, 86%, 69%
CMY	0.6471, 0.1412, 0.3054
CMYK	0.59, 0.00, 0.19, 0.14
HSL	161°, 64%, 61%
HSV	161°, 59%, 86%
XYZ	37.4954, 56.0157, 50.4920
YIQ	175.6410, -63.4020, -40.4100

Conversions

Conversions Part 2

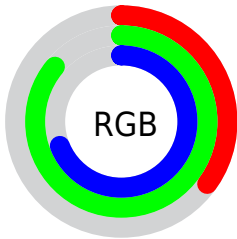
Format	Color
RYB	90, 167, 219
Decimal	5954481
CIELab	79.62, -45.46, 10.06
CIELCh	80, 46.562, 167.520
Yxy	56.0157, 0.2604, 0.3890
Android (android.graphics.Color)	4284144561 (0xFF5ADBB1)
YUV	175.6410, 0.6700, -75.1072
Hunter-Lab	74.8436, -41.5508, 12.3916

Details

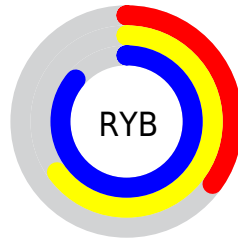
The RYB color **90, 167, 219** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **219, 90, 132**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **150, 209, 255**, and **0, 93, 163** is the 20% darker color. If you saturate the color by 10%, you get **68, 158, 219**, and if you desaturate by 10%, it is **112, 176, 219**.

Distribution



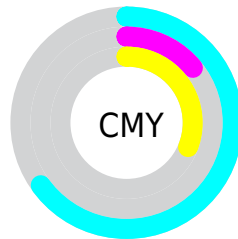
- Red (35%)
- Green (86%)
- Blue (69%)



- Red (35%)
- Yellow (65%)
- Blue (86%)



- Cyan (59%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)





- Cyan (65%)
- Magenta (14%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the RYB color 90, 167, 219 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, 167, 219 by changing the saturation by 10% instead.

 90, 167, 219

 90, 167, 219

255, 255, 255

 56, 136, 191

 150, 209, 255

 0, 92, 163

 180, 218, 255


 0, 78, 136

 210, 233, 255

 0, 65, 110


 240, 248, 255


 0, 52, 85

 0, 39, 60

 0, 32, 39

 0, 0, 0

 90, 167, 219

 90, 167, 219

■ 68, 158, 219

■ 112, 176, 219

■ 46, 149, 219

■ 134, 185, 219

■ 24, 140, 219

■ 156, 194, 219

■ 2, 131, 219

■ 178, 202, 219

■ 0, 131, 219

■ 199, 211, 219

■ 221, 219, 220

■ 243, 219, 227

■ 255, 219, 234

■ 255, 219, 241

Harmonies

Analogous

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



137, 213, 200



90, 167, 219



0, 110, 222

Triad

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



90, 167, 219



174, 189, 255



255, 191, 135

Complementary

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



90, 167, 219



219, 90, 132

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, 164, 173



90, 167, 219



234, 177, 255

Square

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



90, 167, 219



93, 160, 255



255, 165, 217



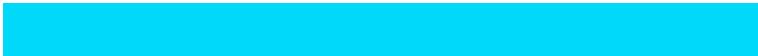
202, 241, 112

Rectangle

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



90, 167, 219



0, 116, 249



255, 165, 217



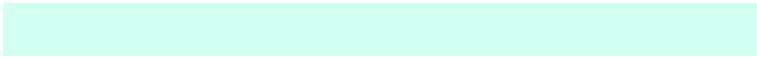
255, 175, 147

Sweetspot

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



90, 167, 219



209, 236, 255



90, 219, 176



99, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



90, 167, 219



74, 182, 255



90, 148, 219



99, 106, 110



0, 103, 173



0, 27, 46

Inverse Universe

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



219, 90, 132



255, 74, 133



219, 115, 90



110, 99, 102



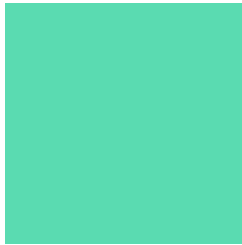
173, 0, 56



46, 0, 15

Previews

White Background



This preview shows how the RYB color 90, 167, 219 looks on a white background.

Color Contrast Check

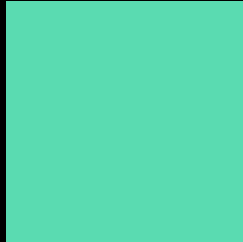
Large Text (above 18pt) WCAG AA × Fail

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, 167, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

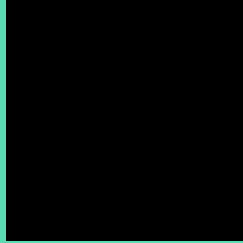
Any Text WCAG AA ✓ Pass

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, 167, 219 Background



This preview shows how black text looks on a background with the RYB color 90, 167, 219.

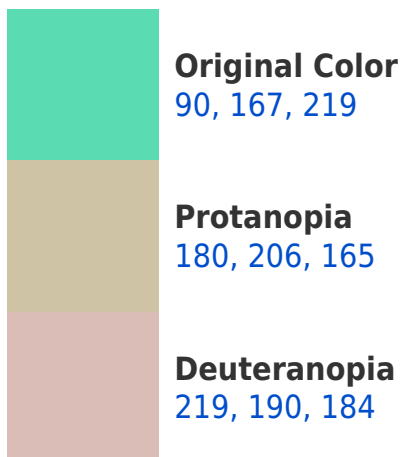


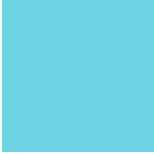
This preview shows how white text looks on a background with the RYB color 90, 167, 219.

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
108, 164, 229

Trichromacy



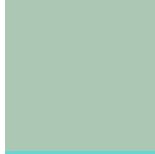
Original Color

90, 167, 219



Protanomaly

164, 200, 204



Deuteranomaly

172, 193, 200



Tritanomaly

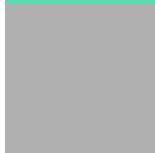
101, 159, 215

Monochromacy



Original Color

90, 167, 219



Achromatopsia

176, 176, 176



Achromatomaly

145, 173, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 167, 219 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, 219, 177)` looks like.

```
.text, #text, p{  
    color:rgb(90, 219, 177)  
}
```

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, 219, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 219, 177) }
```

Border

The CSS property to change the border of an element to RYB 90, 167, 219 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, 219, 177) }
```

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

```
.border{ border-color:rgb(90, 219, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 219, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 219, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 219, 177);  
box-shadow:4px 4px 4px 4px rgb(90, 219,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 90, 167, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 219, 177) }
```

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

```
.background{ background-color: rgb(90, 219,  
177) }
```

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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