

Converting Colors

`RYB(90, 145, 186)`

Have a look what the booklet for
RYB(90, 145, 186) contains.

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Color

R_YB(90, 145, 186)

Conversions

Conversions Part 1

Format	Color
Hex	5ABAA2
RGB	90, 186, 162
RGB Percent	35%, 73%, 64%
CMY	0.6471, 0.2706, 0.3664
CMYK	0.52, 0.00, 0.13, 0.27
HSL	165°, 41%, 54%
HSV	165°, 52%, 73%
XYZ	28.2582, 39.8846, 40.1885
YIQ	154.5600, -49.5120, -27.8160

Conversions

Conversions Part 2

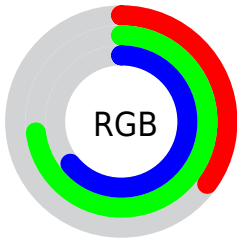
Format	Color
RYB	90, 145, 186
Decimal	5946018
CIELab	69.39, -34.34, 3.76
CIElCh	69, 34.541, 173.759
Yxy	39.8846, 0.2608, 0.3682
Android (android.graphics.Color)	4284136098 (0xFF5ABAA2)
YUV	154.5600, 3.6679, -56.6191
Hunter-Lab	63.1543, -30.6506, 6.4785

Details

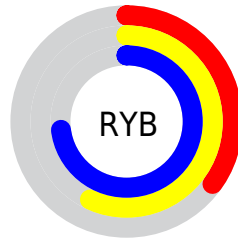
The RYB color **90, 145, 186** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **186, 90, 114**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **146, 202, 243**, and **26, 85, 132** is the 20% darker color. If you saturate the color by 10%, you get **71, 137, 186**, and if you desaturate by 10%, it is **109, 153, 186**.

Distribution



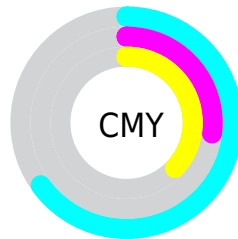
- Red (35%)
- Green (73%)
- Blue (64%)



- Red (35%)
- Yellow (57%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)




- Cyan (65%)
- Magenta (27%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 145, 186 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, 186 by changing the saturation by 10% instead.

 90, 145, 186


255, 255, 255


 146, 202, 243

 175, 218, 255

 204, 230, 255

 233, 244, 255

 90, 145, 186

 61, 117, 159

 26, 85, 132


 0, 59, 107


 0, 46, 82


 0, 34, 58

 0, 24, 37

 0, 0, 0

 90, 145, 186

 71, 137, 186

 90, 145, 186

 109, 153, 186

■ 53, 129, 186

■ 127, 161, 186

■ 34, 121, 186

■ 146, 169, 186

■ 16, 113, 186

■ 164, 176, 186

■ 0, 106, 186

■ 183, 185, 186

■ 202, 186, 190

■ 220, 186, 195

■ 239, 186, 199

■ 255, 186, 204

Harmonies

Analogous

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



129, 180, 182



90, 145, 186



57, 123, 194

Triad

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



90, 145, 186



164, 164, 227



220, 174, 120

Complementary

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



90, 145, 186



186, 90, 114

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.



231, 147, 146



90, 145, 186



203, 153, 207

Square

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



90, 145, 186



115, 154, 231



226, 146, 177



157, 197, 107

Rectangle

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



90, 145, 186



58, 127, 212



226, 146, 177



225, 158, 128

Sweetspot

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



90, 145, 186



206, 227, 242



90, 186, 160



100, 112, 122



250, 250, 250



122, 122, 122

Same Dimension

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



90, 145, 186



92, 178, 242



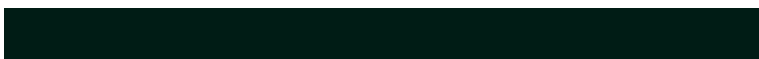
90, 132, 186



83, 88, 92



0, 89, 156



0, 16, 28

Inverse Universe

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



186, 90, 114



242, 92, 130



186, 119, 90



92, 83, 85



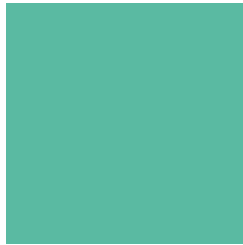
156, 0, 40



28, 0, 7

Previews

White Background



This preview shows how the RYB color 90, 145, 186 looks on a white background.

Color Contrast Check

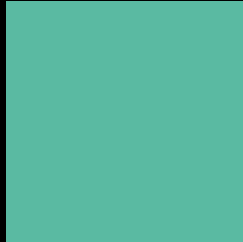
Large Text (above 18pt) WCAG AA × Fail

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, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

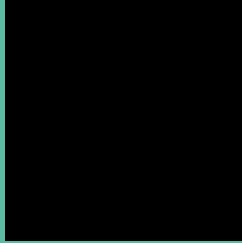
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

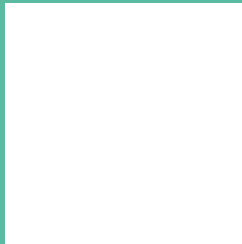
Any Text WCAG AAA ✓ Pass

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

R Y B 90, 145, 186 Background



This preview shows how black text looks on a background with the RYB color 90, 145, 186.

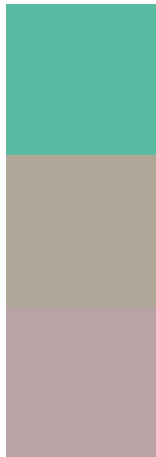


This preview shows how white text looks on a background with the RYB color 90, 145, 186.

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



Original Color
90, 145, 186

Protanopia
162, 175, 152

Deuteranopia
185, 163, 167



Tritanopia
101, 144, 196

Trichromacy



Original Color

90, 145, 186



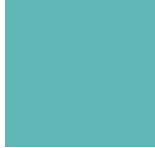
Protanomaly

144, 167, 175



Deuteranomaly

150, 162, 171



Tritanomaly

97, 140, 183

Monochromacy



Original Color

90, 145, 186



Achromatopsia

155, 155, 155



Achromatomaly

131, 151, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 145, 186 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, 186, 162)` looks like.

```
.text, #text, p{  
    color:rgb(90, 186, 162)  
}
```

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, 186, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 186, 162) }
```

Border

The CSS property to change the border of an element to RYB 90, 145, 186 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, 186, 162) }
```

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

```
.border{ border-color:rgb(90, 186, 162) }
```

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

Here you see how a box with a 4 pixel rgb(90, 186, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 186, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 186, 162);  
box-shadow:4px 4px 4px 4px rgb(90, 186,  
162) }
```

Background

The CSS property to change the background color of an element to RYB 90, 145, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 186, 162) }
```

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

```
.background{ background-color: rgb(90, 186,  
162) }
```

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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