

Converting Colors

`RYB(109, 153, 186)`

Have a look what the booklet for
RYB(109, 153, 186) contains.

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Color

R_YB(109, 153, 186)

Conversions

Conversions Part 1

Format	Color
Hex	6DBAA7
RGB	109, 186, 167
RGB Percent	43%, 73%, 65%
CMY	0.5725, 0.2706, 0.3461
CMYK	0.41, 0.00, 0.10, 0.27
HSL	165°, 36%, 58%
HSV	165°, 41%, 73%
XYZ	30.8175, 41.1498, 42.7566
YIQ	160.8110, -39.7930, -22.2330

Conversions

Conversions Part 2

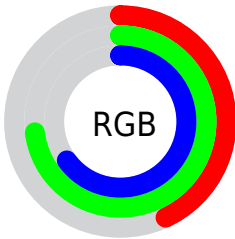
Format	Color
RYB	109, 153, 186
Decimal	7191207
CIELab	70.28, -28.40, 2.30
CIELCh	70, 28.496, 175.365
Yxy	41.1498, 0.2686, 0.3587
Android (android.graphics.Color)	4285381287 (0xFF6DBAA7)
YUV	160.8110, 3.0512, -45.4382
Hunter-Lab	64.1481, -26.5056, 5.3851

Details

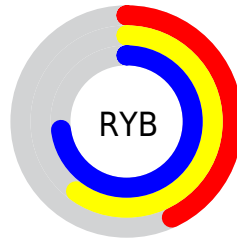
The RYB color **109, 153, 186** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **186, 109, 128**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **164, 209, 242**, and **55, 98, 132** is the 20% darker color. If you saturate the color by 10%, you get **90, 145, 186**, and if you desaturate by 10%, it is **128, 161, 186**.

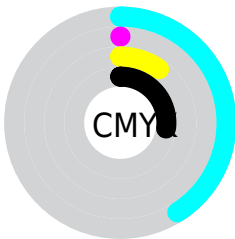
Distribution



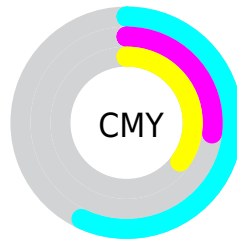
- Red (43%)
- Green (73%)
- Blue (65%)



- Red (43%)
- Yellow (60%)
- Blue (73%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)



- Cyan (57%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 153, 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 109, 153, 186 by changing the saturation by 10% instead.

 109, 153, 186


255, 255, 255


 164, 209, 242

 192, 225, 255

 221, 238, 255

 250, 253, 255

 109, 153, 186

 82, 126, 159

 55, 98, 132

 24, 70, 107

 0, 45, 82


 0, 33, 59

 0, 22, 37

 0, 2, 2

 0, 0, 0

 109, 153, 186

 109, 153, 186

■ 90, 145, 186

■ 128, 161, 186

■ 72, 137, 186

■ 146, 169, 186

■ 53, 129, 186

■ 165, 177, 186

■ 35, 121, 186

■ 183, 185, 186

■ 16, 113, 186

■ 202, 186, 190

■ 0, 106, 186

■ 221, 186, 195

■ 239, 186, 199

■ 255, 186, 204

■ 255, 186, 209

Harmonies

Analogous

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



137, 178, 183



109, 153, 186



92, 141, 193

Triad

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



109, 153, 186



170, 167, 218



214, 177, 130

Complementary

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



109, 153, 186



186, 109, 128

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.



224, 154, 151



109, 153, 186



201, 158, 202

Square

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



109, 153, 186



133, 162, 223



220, 153, 177



158, 194, 120

Rectangle

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



109, 153, 186



95, 145, 208



220, 153, 177



219, 166, 136

Sweetspot

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



109, 153, 186



213, 229, 242



109, 186, 167



105, 115, 122



250, 250, 250



122, 122, 122

Same Dimension

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



109, 153, 186



121, 190, 242



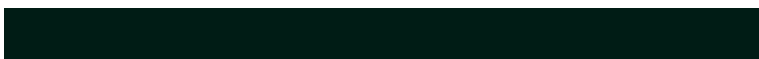
109, 142, 186



83, 88, 92



0, 89, 156



0, 16, 28

Inverse Universe

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



186, 109, 128



242, 121, 151



186, 134, 109



92, 83, 85



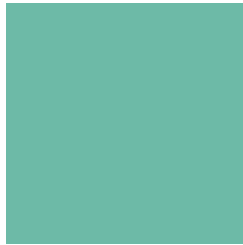
156, 0, 39



28, 0, 7

Previews

White Background



This preview shows how the RYB color 109, 153, 186 looks on a white background.

Color Contrast Check

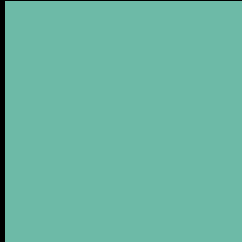
Large Text (above 18pt) WCAG AA × Fail

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 109, 153, 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](#).

RYB 109, 153, 186 Background



This preview shows how black text looks on a background with the RYB color 109, 153, 186.

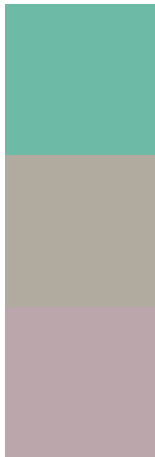


This preview shows how white text looks on a background with the RYB color 109, 153, 186.

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
109, 153, 186

Protanopia
169, 177, 158

Deuteranopia
187, 166, 171



Tritanopia
117, 153, 196

Trichromacy



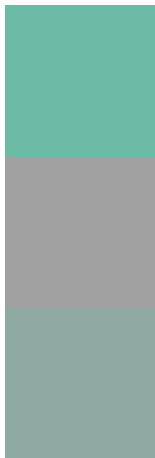
Original Color
109, 153, 186

Protanomaly
152, 169, 176

Deuteranomaly
159, 167, 173

Tritanomaly
114, 149, 185

Monochromacy



Original Color
109, 153, 186

Achromatopsia
161, 161, 161

Achromatomaly
142, 158, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 153, 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(109, 186, 167)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 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(109, 186, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 167) }
```

Border

The CSS property to change the border of an element to RYB 109, 153, 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(109, 186, 167) }
```

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

```
.border{ border-color:rgb(109, 186, 167) }
```

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

Here you see how a box with a 4 pixel rgb(109, 186, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 167);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
167) }
```

Background

The CSS property to change the background color of an element to RYB 109, 153, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 167) }
```

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

```
.background{ background-color: rgb(109,  
186, 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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