

Converting Colors

`RYB(109, 170, 186)`

Have a look what the booklet for
RYB(109, 170, 186) contains.

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Color

R_YB(109, 170, 186)

Conversions

Conversions Part 1

Format	Color
Hex	6DBA81
RGB	109, 186, 129
RGB Percent	43%, 73%, 51%
CMY	0.5725, 0.2706, 0.4933
CMYK	0.41, 0.00, 0.31, 0.27
HSL	136°, 36%, 58%
HSV	136°, 41%, 73%
XYZ	27.8411, 39.9592, 27.0830
YIQ	156.4790, -27.5950, -34.0510

Conversions

Conversions Part 2

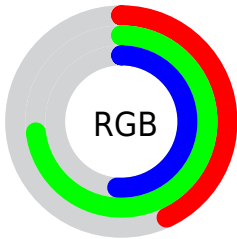
Format	Color
RYB	109, 170, 186
Decimal	7191169
CIELab	69.44, -36.22, 21.53
CIELCh	69, 42.133, 149.267
Yxy	39.9592, 0.2934, 0.4211
Android (android.graphics.Color)	4285381249 (0xFF6DBA81)
YUV	156.4790, -13.5471, -41.6391
Hunter-Lab	63.2133, -32.0063, 18.8472

Details

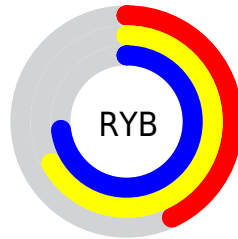
The RYB color **109, 170, 186** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **186, 109, 166**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **164, 228, 243**, and **55, 114, 132** is the 20% darker color. If you saturate the color by 10%, you get **90, 166, 186**, and if you desaturate by 10%, it is **128, 174, 186**.

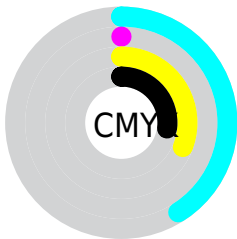
Distribution



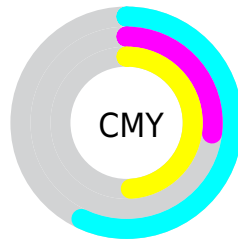
- Red (43%)
- Green (73%)
- Blue (51%)



- Red (43%)
- Yellow (67%)
- Blue (73%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (27%)



- Cyan (57%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 170, 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, 170, 186 by changing the saturation by 10% instead.

 109, 170, 186

255, 255, 255


 164, 228, 243


 192, 241, 255

 220, 243, 255

 250, 253, 255

 109, 170, 186

 82, 142, 159

 55, 114, 132

 25, 85, 107


 0, 58, 82

 0, 48, 58

 0, 37, 37


 0, 0, 0

 109, 170, 186


 90, 166, 186

 109, 170, 186


 128, 174, 186

 72, 162, 186


 146, 177, 186


 53, 158, 186

 165, 182, 186


 35, 155, 186

 183, 185, 186

 16, 150, 186

 202, 186, 198

 0, 147, 186

 221, 186, 212

 239, 186, 225

 255, 186, 239

 255, 186, 253

Harmonies

Analogous

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



101, 178, 124



109, 170, 186



45, 123, 189

Triad

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



109, 170, 186



108, 153, 246



242, 143, 134

Complementary

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



109, 170, 186



186, 109, 166

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.



240, 139, 172



109, 170, 186



172, 160, 236

Square

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



109, 170, 186



0, 103, 234



216, 146, 209



225, 188, 105

Rectangle

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



109, 170, 186



0, 96, 193



216, 146, 209



243, 140, 146

Sweetspot

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



109, 170, 186



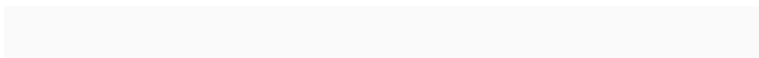
213, 236, 242



109, 186, 128



105, 118, 122



250, 250, 250



122, 122, 122

Same Dimension

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



109, 170, 186



121, 217, 242



109, 153, 186



83, 90, 92



0, 124, 156



0, 22, 28

Inverse Universe

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



186, 109, 166



242, 121, 210



186, 109, 128



92, 83, 89



156, 0, 115



28, 0, 21

Previews

White Background



This preview shows how the RYB color 109, 170, 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, 170, 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, 170, 186 Background



This preview shows how black text looks on a background with the RYB color 109, 170, 186.

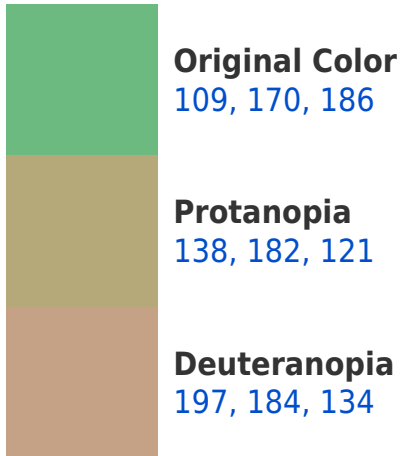


This preview shows how white text looks on a background with the RYB color 109, 170, 186.

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





Tritanopia
123, 154, 192

Trichromacy



Original Color

109, 170, 186



Protanomaly

124, 175, 144



Deuteranomaly

132, 171, 138



Tritanomaly

118, 153, 181

Monochromacy



Original Color

109, 170, 186



Achromatopsia

157, 157, 157



Achromatomaly

140, 162, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 170, 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 129) }
```

Border

The CSS property to change the border of an element to RYB 109, 170, 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, 129) }
```

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

```
.border{ border-color:rgb(109, 186, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 129);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 109, 170, 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, 129) }
```

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

```
.background{ background-color: rgb(109,  
186, 129) }
```

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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