

Converting Colors

`RYB(109, 151, 183)`

Have a look what the booklet for
RYB(109, 151, 183) contains.

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Color

$\text{RYB}(109, 151, 183)$

Conversions

Conversions Part 1

Format	Color
Hex	6DB7A5
RGB	109, 183, 165
RGB Percent	43%, 72%, 65%
CMY	0.5725, 0.2824, 0.3514
CMYK	0.40, 0.00, 0.10, 0.28
HSL	166°, 34%, 57%
HSV	166°, 40%, 72%
XYZ	30.0664, 39.8487, 41.8863
YIQ	158.8220, -38.3260, -21.2860

Conversions

Conversions Part 2

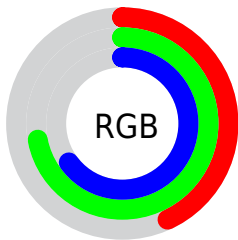
Format	Color
RYB	109, 151, 183
Decimal	7190437
CIELab	69.36, -27.25, 1.72
CIELCh	69, 27.309, 176.392
Yxy	39.8487, 0.2689, 0.3564
Android (android.graphics.Color)	4285380517 (0xFF6DB7A5)
YUV	158.8220, 3.0458, -43.6939
Hunter-Lab	63.1258, -25.4518, 4.8470

Details

The RYB color **109, 151, 183** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **183, 109, 127**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **164, 207, 239**, and **55, 97, 130** is the 20% darker color. If you saturate the color by 10%, you get **91, 143, 183**, and if you desaturate by 10%, it is **127, 159, 183**.

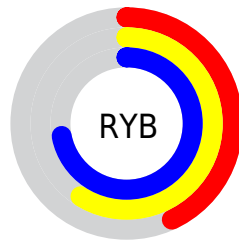
Distribution



Red (43%)

Green (72%)

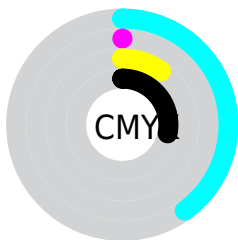
Blue (65%)



Red (43%)

Yellow (59%)

Blue (72%)

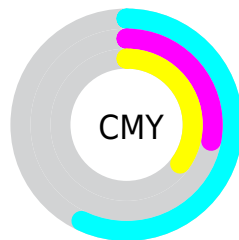


Cyan (40%)

Magenta (0%)

Yellow (10%)

Black (28%)



Cyan (57%)

Magenta (28%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 109, 151, 183 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, 151, 183 by changing the saturation by 10% instead.

 109, 151, 183

255, 255, 255


 164, 207, 239

 192, 225, 255

 220, 238, 255

 250, 253, 255

 109, 151, 183

 82, 124, 156

 55, 97, 130

 25, 69, 104


 0, 44, 80

 0, 31, 56

 0, 21, 35


 0, 0, 0

 109, 151, 183


 91, 143, 183

 109, 151, 183


 127, 159, 183


 72, 135, 183


 146, 167, 183


 54, 127, 183

 164, 175, 183

 36, 119, 183

 182, 183, 183

 17, 111, 183

 201, 183, 187

 0, 104, 183

 219, 183, 192

 237, 183, 196

 255, 183, 200

 255, 183, 205

Harmonies

Analogous

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



136, 176, 180



109, 151, 183



94, 140, 190

Triad

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



109, 151, 183



169, 164, 214



210, 174, 129

Complementary

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



109, 151, 183



183, 109, 127

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.



219, 152, 149



109, 151, 183



198, 156, 197

Square

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



109, 151, 183



134, 161, 218



216, 151, 173



154, 190, 120

Rectangle

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



109, 151, 183



97, 144, 204



216, 151, 173



214, 164, 135

Sweetspot

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



109, 151, 183



209, 225, 237



109, 183, 164



103, 113, 120



247, 247, 247



120, 120, 120

Same Dimension

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



109, 151, 183



121, 187, 237



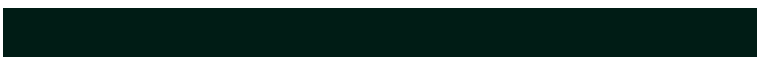
109, 141, 183



83, 88, 92



0, 88, 156



0, 16, 28

Inverse Universe

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



183, 109, 127



237, 121, 149



183, 135, 109



92, 83, 85



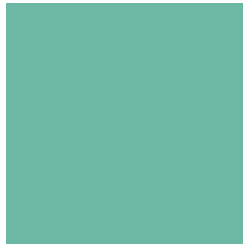
156, 0, 37



28, 0, 7

Previews

White Background



This preview shows how the RYB color 109, 151, 183 looks on a white background.

Color Contrast Check

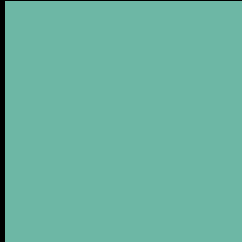
Large Text (above 18pt) WCAG AA × Fail

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, 151, 183 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, 151, 183 Background



This preview shows how black text looks on a background with the RYB color 109, 151, 183.



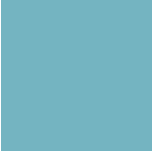
This preview shows how white text looks on a background with the RYB color 109, 151, 183.

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
116, 151, 193

Trichromacy



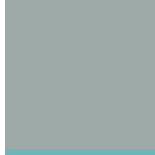
Original Color

109, 151, 183



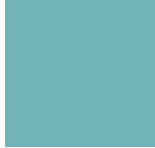
Protanomaly

150, 166, 173



Deuteranomaly

157, 164, 170



Tritanomaly

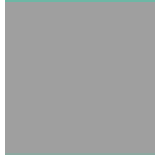
113, 147, 183

Monochromacy



Original Color

109, 151, 183



Achromatopsia

159, 159, 159



Achromatomaly

141, 157, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 109, 151, 183 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, 183, 165)` looks like.

```
.text, #text, p{  
    color:rgb(109, 183, 165)  
}
```

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, 183, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 183, 165) }
```

Border

The CSS property to change the border of an element to RYB 109, 151, 183 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, 183, 165) }
```

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

```
.border{ border-color:rgb(109, 183, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 183, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 183, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 183, 165);  
box-shadow:4px 4px 4px 4px rgb(109, 183,  
165) }
```

Background

The CSS property to change the background color of an element to RYB 109, 151, 183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 183, 165) }
```

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

```
.background{ background-color: rgb(109,  
183, 165) }
```

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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