

Converting Colors

`RYB(96, 170, 181)`

Have a look what the booklet for
RYB(96, 170, 181) contains.

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Color

R_YB(96, 170, 181)

Conversions

Conversions Part 1

Format	Color
Hex	60B56D
RGB	96, 181, 109
RGB Percent	38%, 71%, 43%
CMY	0.6235, 0.2902, 0.5740
CMYK	0.47, 0.00, 0.40, 0.29
HSL	129°, 36%, 54%
HSV	129°, 47%, 71%
XYZ	24.0885, 36.6308, 20.1661
YIQ	147.3770, -27.5480, -40.4120

Conversions

Conversions Part 2

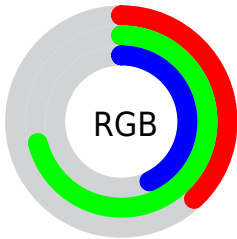
Format	Color
RYB	96, 170, 181
Decimal	6337901
CIELab	67.00, -41.34, 29.10
CIElCh	67, 50.552, 144.857
Yxy	36.6308, 0.2978, 0.4529
Android (android.graphics.Color)	4284527981 (0xFF60B56D)
YUV	147.3770, -18.9199, -45.0576
Hunter-Lab	60.5234, -34.8726, 22.6113

Details

The RYB color **96, 170, 181** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **181, 96, 168**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **151, 228, 237**, and **39, 110, 127** is the 20% darker color. If you saturate the color by 10%, you get **78, 168, 181**, and if you desaturate by 10%, it is **114, 172, 181**.

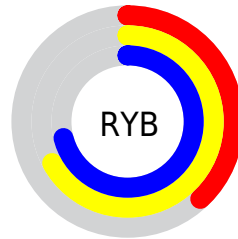
Distribution



Red (38%)

Green (71%)

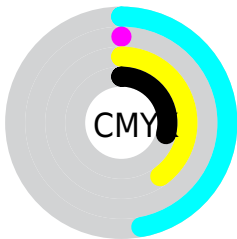
Blue (43%)



Red (38%)

Yellow (67%)

Blue (71%)

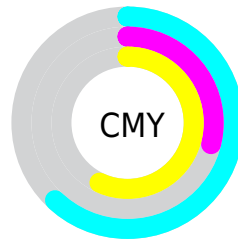


Cyan (47%)

Magenta (0%)

Yellow (40%)

Black (29%)



Cyan (62%)


Magenta (29%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 170, 181 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 96, 170, 181 by changing the saturation by 10% instead.

 96, 170, 181


255, 255, 255


 151, 228, 237


 179, 247, 255

 208, 248, 255

 237, 249, 255

 96, 170, 181


 68, 141, 154

 39, 110, 127


 0, 75, 102


 0, 66, 77


 0, 53, 53

 0, 32, 32


 0, 0, 0


 96, 170, 181


 78, 168, 181


 96, 170, 181


 114, 172, 181


 60, 165, 181


 132, 175, 181


 42, 164, 181


 150, 177, 181

 24, 161, 181


 168, 179, 181


 5, 158, 181

 187, 181, 186

 0, 158, 181

 205, 181, 201

 223, 181, 217

 241, 181, 232

 255, 181, 247

Harmonies

Analogous

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



77, 172, 97



96, 170, 181



0, 102, 186

Triad

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



96, 170, 181



50, 125, 253



248, 127, 127

Complementary

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



96, 170, 181



181, 96, 168

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.



243, 125, 173



96, 170, 181



153, 154, 246

Square

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



96, 170, 181



0, 103, 237



212, 136, 216



230, 170, 90

Rectangle

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



96, 170, 181



0, 93, 186



212, 136, 216



249, 125, 142

Sweetspot

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



96, 170, 181



202, 231, 235



96, 181, 107



97, 114, 117



245, 245, 245



117, 117, 117

Same Dimension

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



96, 170, 181



103, 218, 235



96, 148, 181



80, 87, 89



0, 133, 153



0, 23, 26

Inverse Universe

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



181, 96, 168



235, 103, 215



181, 96, 127



89, 80, 88



153, 0, 130



26, 0, 22

Previews

White Background



This preview shows how the RYB color 96, 170, 181 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 96, 170, 181 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 96, 170, 181 Background



This preview shows how black text looks on a background with the R Y B color 96, 170, 181.

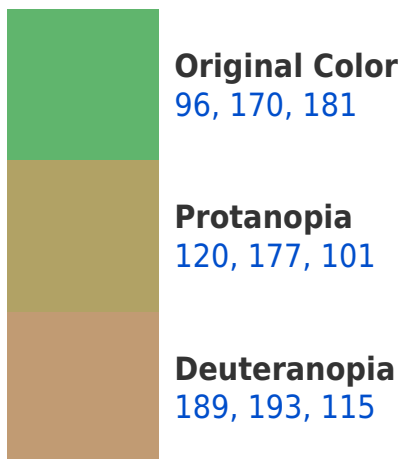


This preview shows how white text looks on a background with the R Y B color 96, 170, 181.

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
113, 146, 186

Trichromacy



Original Color

96, 170, 181



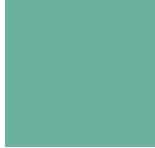
Protanomaly

104, 169, 125



Deuteranomaly

113, 164, 119



Tritanomaly

107, 146, 175

Monochromacy



Original Color

96, 170, 181



Achromatopsia

147, 147, 147



Achromatomaly

128, 155, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 170, 181 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(96, 181, 109)` looks like.

```
.text, #text, p{  
    color:rgb(96, 181, 109)  
}
```

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(96, 181, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 181, 109) }
```

Border

The CSS property to change the border of an element to RYB 96, 170, 181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

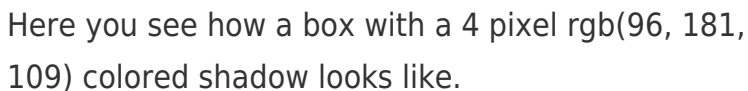
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 181, 109) }
```

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

```
.border{ border-color:rgb(96, 181, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 181, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 181, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 181, 109);  
box-shadow:4px 4px 4px 4px rgb(96, 181,  
109) }
```

Background

The CSS property to change the background color of an element to RGB 96, 170, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 181, 109) }
```

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

```
.background{ background-color: rgb(96, 181,  
109) }
```

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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