

# Converting Colors

`RYB(101, 136, 169)`

Have a look what the booklet for  
RYB(101, 136, 169) contains.

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# Color

**R<sub>Y</sub>B(101, 136, 169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65A9A5
RGB	101, 169, 165
RGB Percent	40%, 66%, 65%
CMY	0.6039, 0.3373, 0.3525
CMYK	0.40, 0.00, 0.02, 0.34
HSL	177°, 28%, 53%
HSV	177°, 40%, 66%
XYZ	26.3567, 33.8634, 40.7990
YIQ	148.2120, -39.2440, -15.6600

# Conversions

## Conversions Part 2

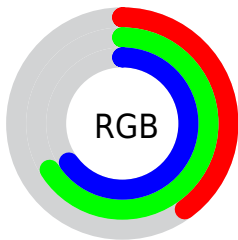
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 136, 169
Decimal	6662565
CIELab	64.85, -22.46, -4.78
CIELCh	65, 22.960, 192.026
Yxy	33.8634, 0.2609, 0.3352
Android (android.graphics.Color)	4284852645 (0xFF65A9A5)
YUV	148.2120, 8.2765, -41.4049
Hunter-Lab	58.1923, -20.9894, -0.8340

# Details

The RYB color **101, 136, 169** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **169, 101, 105**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **155, 191, 224**, and **47, 83, 117** is the 20% darker color. If you saturate the color by 10%, you get **84, 128, 169**, and if you desaturate by 10%, it is **118, 144, 169**.

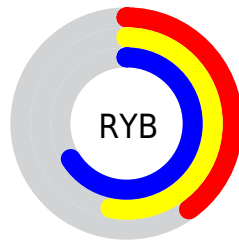
# Distribution



Red (40%)

Green (66%)

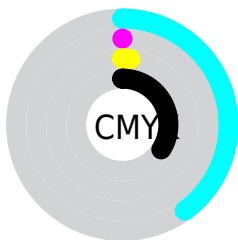
Blue (65%)



Red (40%)

Yellow (53%)

Blue (66%)

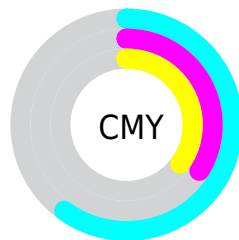


Cyan (40%)

Magenta (0%)

Yellow (2%)

Black (34%)



Cyan (60%)

Magenta (34%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 101, 136, 169 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 101, 136, 169 by changing the saturation by 10% instead.



 101, 136, 169

255, 255, 255


 155, 191, 224

 183, 219, 253

 212, 234, 255

 241, 248, 255

 101, 136, 169


 74, 109, 142

 47, 83, 117


 14, 54, 92


 0, 35, 68


 0, 23, 45

 0, 14, 26

 0, 0, 0

 101, 136, 169

 84, 128, 169

 101, 136, 169

 118, 144, 169

67, 120, 169

135, 153, 169

50, 111, 169

152, 161, 169

33, 103, 169

169, 169, 169

16, 95, 169

185, 169, 170

0, 87, 169

202, 169, 171

219, 169, 172

236, 169, 173

253, 169, 174

# Harmonies

## Analogous

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



118, 151, 168



101, 136, 169



99, 137, 184

# Triad

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



101, 136, 169



171, 149, 188



182, 184, 119

# Complementary

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



101, 136, 169



169, 101, 105

# 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.



196, 151, 131



101, 136, 169



190, 144, 171

# Square

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



101, 136, 169



144, 154, 197



199, 143, 150



123, 164, 117

# Rectangle

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



101, 136, 169



109, 143, 193



199, 143, 150



189, 170, 122



# Sweetspot

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



101, 136, 169



193, 206, 219



101, 169, 164



94, 102, 110



237, 237, 237



110, 110, 110



# Same Dimension

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



101, 136, 169



114, 168, 219



101, 126, 169



76, 80, 84



0, 76, 148



0, 10, 20



# Inverse Universe

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



169, 101, 105



219, 114, 120



169, 152, 101



84, 76, 76



148, 0, 8

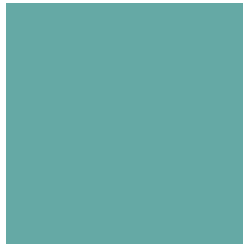


20, 0, 1



# Previews

## White Background



This preview shows how the RYB color 101, 136, 169 looks on a white background.

## Color Contrast Check

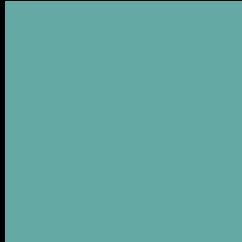
Large Text (above 18pt) WCAG AA × Fail

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 101, 136, 169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

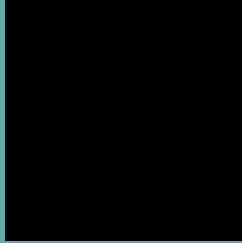
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## R Y B 101, 136, 169 Background



This preview shows how black text looks on a background with the R Y B color 101, 136, 169.




This preview shows how white text looks on a background with the R Y B color 101, 136, 169.

# 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**  
105, 139, 180

# Trichromacy



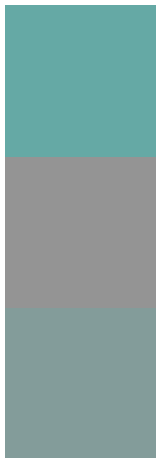
**Original Color**  
101, 136, 169

**Protanomaly**  
138, 150, 161

**Deuteranomaly**  
142, 152, 168

**Tritanomaly**  
104, 138, 175

# Monochromacy



**Original Color**  
101, 136, 169

**Achromatopsia**  
148, 148, 148

**Achromatomaly**  
131, 144, 156

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 101, 136, 169 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(101, 169, 165)` looks like.

```
.text, #text, p{  
    color:rgb(101, 169, 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(101, 169, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 169, 165) }
```

## Border

The CSS property to change the border of an element to RYB 101, 136, 169 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(101, 169, 165) }
```

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

```
.border{ border-color:rgb(101, 169, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 169, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 169, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 169, 165);  
box-shadow:4px 4px 4px 4px rgb(101, 169,  
165) }
```

# Background

The CSS property to change the background color of an element to RYB 101, 136, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 169, 165) }
```

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

```
.background{ background-color: rgb(101,  
169, 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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