

Converting Colors

`RYB(96, 117, 150)`

Have a look what the booklet for
RYB(96, 117, 150) contains.

RYB(96, 117, 150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(96, 117, 150)

Conversions

Conversions Part 1

Format	Color
Hex	608296
RGB	96, 130, 150
RGB Percent	38%, 51%, 59%
CMY	0.6235, 0.4888, 0.4118
CMYK	0.36, 0.13, 0.00, 0.41
HSL	202°, 22%, 48%
HSV	202°, 36%, 59%
XYZ	18.3600, 20.7510, 31.8918
YIQ	122.1140, -26.6840, -0.9880

Conversions

Conversions Part 2

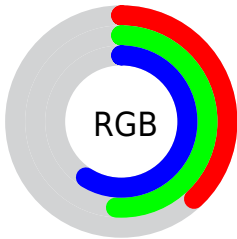
Format	Color
R _Y B	96, 117, 150
Decimal	6324886
CIE Lab	52.68, -6.98, -14.42
CIE LCh	53, 16.018, 244.152
Yxy	20.7510, 0.2586, 0.2923
Android (android.graphics.Color)	4284514966 (0xFF608296)
YUV	122.1140, 13.7478, -22.9020
Hunter-Lab	45.5532, -7.7748, -9.6217

Details

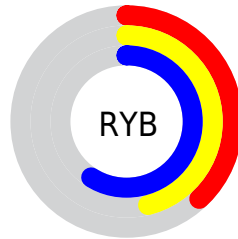
The RYB color **96, 117, 150** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **150, 128, 96**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **148, 170, 204**, and **46, 67, 99** is the 20% darker color. If you saturate the color by 10%, you get **81, 108, 150**, and if you desaturate by 10%, it is **111, 126, 150**.

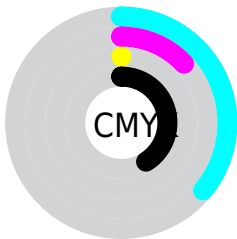
Distribution



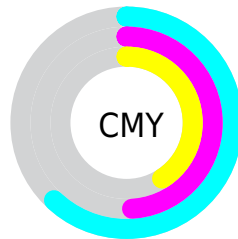
- Red (38%)
- Green (51%)
- Blue (59%)



- Red (38%)
- Yellow (46%)
- Blue (59%)



- Cyan (36%)
- Magenta (13%)
- Yellow (0%)
- Black (41%)



- Cyan (62%)
- Magenta (49%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 117, 150 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, 117, 150 by changing the saturation by 10% instead.

■ 96, 117, 150

255, 255, 255

■ 148, 170, 204

■ 175, 197, 232

■ 203, 224, 255

■ 232, 244, 255

■ 96, 117, 150

■ 71, 92, 124

■ 46, 67, 99

■ 20, 42, 75

■ 0, 22, 53

■ 0, 11, 31

■ 0, 0, 4

■ 0, 0, 0

■ 96, 117, 150

■ 81, 108, 150

■ 96, 117, 150

■ 111, 126, 150

■ 66, 98, 150

■ 126, 135, 150

■ 51, 90, 150

■ 141, 145, 150

■ 36, 81, 150

■ 156, 153, 150

■ 21, 71, 150

■ 171, 163, 150

■ 6, 62, 150

■ 186, 170, 150

■ 0, 58, 150

■ 201, 180, 150

■ 216, 188, 150

■ 231, 195, 150

Harmonies

Analogous

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



88, 112, 141



96, 117, 150



112, 122, 153

Triad

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



96, 117, 150



153, 116, 124



103, 130, 114

Complementary

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



96, 117, 150



150, 128, 96

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.



110, 134, 98



96, 117, 150



154, 118, 111

Square

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



96, 117, 150



145, 118, 138



147, 136, 101



104, 125, 132

Rectangle

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



96, 117, 150



125, 123, 151



147, 136, 101



101, 128, 105

Sweetspot

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



96, 117, 150



172, 181, 194



96, 136, 150



84, 89, 97



224, 224, 224



97, 97, 97

Same Dimension

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



96, 117, 150



110, 142, 194



96, 103, 150



67, 70, 74



0, 54, 138



0, 4, 10

Inverse Universe

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



150, 96, 130



194, 110, 163



105, 150, 96



74, 67, 71



138, 0, 88



10, 0, 6

Previews

White Background



This preview shows how the RYB color 96, 117, 150 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 117, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

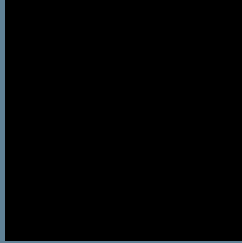
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

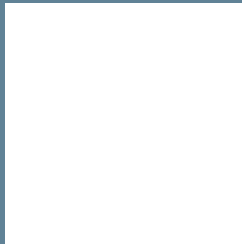
Any Text WCAG AAA × Fail

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

R Y B 96, 117, 150 Background



This preview shows how black text looks on a background with the R Y B color 96, 117, 150.

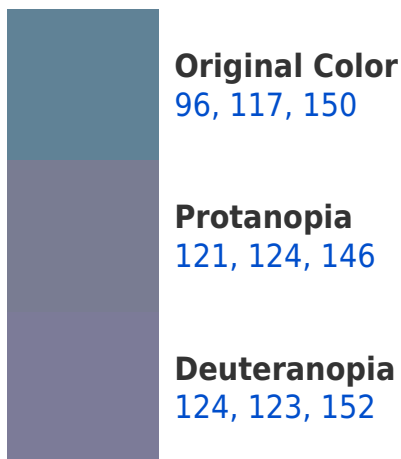


This preview shows how white text looks on a background with the R Y B color 96, 117, 150.

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

94, 115, 142

Trichromacy



Original Color

96, 117, 150

Protanomaly

112, 122, 147

Deuteranomaly

114, 123, 151

Tritanomaly

95, 116, 145

Monochromacy



Original Color

96, 117, 150

Achromatopsia

122, 122, 122

Achromatomaly

113, 120, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 117, 150 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, 130, 150)` looks like.

```
.text, #text, p{  
    color:rgb(96, 130, 150)  
}
```

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, 130, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 130, 150) }
```

Border

The CSS property to change the border of an element to RYB 96, 117, 150 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, 130, 150) }
```

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

```
.border{ border-color:rgb(96, 130, 150) }
```

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

Here you see how a box with a 4 pixel rgb(96, 130, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 130, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 130, 150);  
box-shadow:4px 4px 4px 4px rgb(96, 130,  
150) }
```

Background

The CSS property to change the background color of an element to RGB 96, 130, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 130, 150) }
```

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

```
.background{ background-color: rgb(96, 130,  
150) }
```

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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