

Converting Colors

`RYB(63, 99, 155)`

Have a look what the booklet for
RYB(63, 99, 155) contains.

RYB(63, 99, 155)	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(63, 99, 155)

Conversions

Conversions Part 1

Format	Color
Hex	3F7A9B
RGB	63, 122, 155
RGB Percent	25%, 48%, 61%
CMY	0.7529, 0.5210, 0.3922
CMYK	0.59, 0.21, 0.00, 0.39
HSL	201°, 42%, 43%
HSV	201°, 59%, 61%
XYZ	14.9434, 17.3775, 33.5769
YIQ	108.1210, -45.7570, -2.2450

Conversions

Conversions Part 2

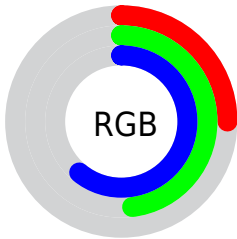
Format	Color
RYB	63, 99, 155
Decimal	4160155
CIELab	48.73, -9.16, -23.51
CIElCh	49, 25.234, 248.722
Yxy	17.3775, 0.2268, 0.2637
Android (android.graphics.Color)	4282350235 (0xFF3F7A9B)
YUV	108.1210, 23.1113, -39.5711
Hunter-Lab	41.6863, -8.9638, -18.5757

Details

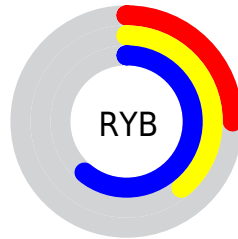
The RYB color **63, 99, 155** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **155, 114, 63**, and the grayscale version is **108, 108, 108**.

A 20% lighter version of the original color is **118, 153, 210**, and **0, 43, 104** is the 20% darker color. If you saturate the color by 10%, you get **48, 90, 155**, and if you desaturate by 10%, it is **78, 108, 155**.

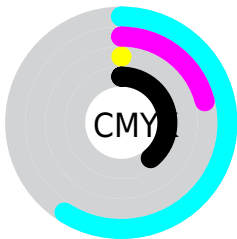
Distribution



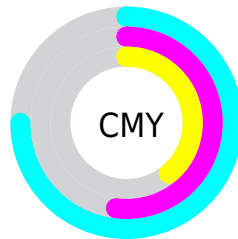
- Red (25%)
- Green (48%)
- Blue (61%)



- Red (25%)
- Yellow (39%)
- Blue (61%)



- Cyan (59%)
- Magenta (21%)
- Yellow (0%)
- Black (39%)



- Cyan (75%)
- Magenta (52%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 99, 155 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 63, 99, 155 by changing the saturation by 10% instead.



63, 99, 155



63, 99, 155

255, 255, 255



32, 71, 129



118, 153, 210



0, 43, 104



146, 181, 238



0, 31, 79



174, 207, 255



0, 20, 56



203, 229, 255



0, 2, 35



232, 244, 255



0, 0, 10



0, 0, 0



63, 99, 155



63, 99, 155



48, 90, 155



78, 108, 155

■ 32, 80, 155

■ 94, 118, 155

■ 17, 71, 155

■ 110, 128, 155

■ 1, 61, 155

■ 125, 137, 155

■ 0, 61, 155

■ 140, 146, 155

■ 156, 155, 155

■ 171, 165, 155

■ 187, 172, 155

■ 203, 181, 155

Harmonies

Analogous

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



41, 87, 142



63, 99, 155



96, 111, 158

Triad

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



63, 99, 155



158, 100, 110



82, 122, 103

Complementary

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



63, 99, 155



155, 114, 63

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.



82, 124, 73



63, 99, 155



155, 106, 90

Square

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



63, 99, 155



148, 102, 132



143, 141, 76



75, 109, 126

Rectangle

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



63, 99, 155



117, 111, 153



143, 141, 76



78, 121, 90

Sweetspot

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



63, 99, 155



165, 179, 201



63, 131, 155



80, 89, 102



230, 230, 230



102, 102, 102

Same Dimension

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



63, 99, 155



58, 114, 201



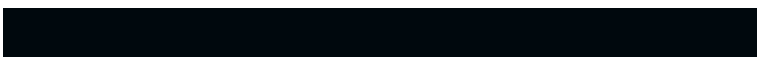
63, 75, 155



69, 72, 77



0, 55, 140



0, 5, 13

Inverse Universe

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



155, 63, 122



201, 58, 150



80, 155, 63



77, 69, 74



140, 0, 90



13, 0, 8

Previews

White Background



This preview shows how the RYB color 63, 99, 155 looks on a white background.

Color Contrast Check

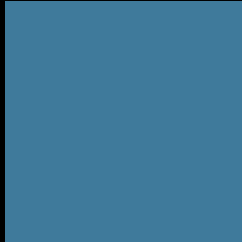
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 63, 99, 155 looks on a black 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

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

R Y B 63, 99, 155 Background



This preview shows how black text looks on a background with the R Y B color 63, 99, 155.

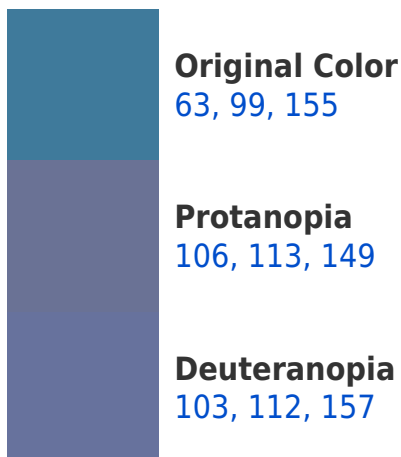



This preview shows how white text looks on a background with the R Y B color 63, 99, 155.

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](#).

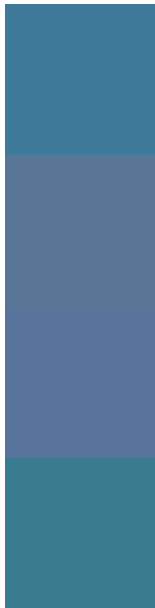
Dichromacy





Tritanopia
55, 93, 136

Trichromacy



Original Color

63, 99, 155

Protanomaly

90, 109, 151

Deuteranomaly

88, 108, 156

Tritanomaly

58, 95, 143

Monochromacy



Original Color

63, 99, 155

Achromatopsia

108, 108, 108

Achromatomaly

92, 105, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 99, 155 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(63, 122, 155)` looks like.

```
.text, #text, p{  
    color:rgb(63, 122, 155)  
}
```

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(63, 122, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 122, 155) }
```

Border

The CSS property to change the border of an element to RYB 63, 99, 155 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(63, 122, 155) }
```

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

```
.border{ border-color:rgb(63, 122, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 122, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 122, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 122, 155);  
box-shadow:4px 4px 4px 4px rgb(63, 122,  
155) }
```

Background

The CSS property to change the background color of an element to RGB 63, 99, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 122, 155) }
```

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

```
.background{ background-color: rgb(63, 122,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor