

Converting Colors

`RYB(99, 156, 153)`

Have a look what the booklet for
RYB(99, 156, 153) contains.

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Color

R_YB(99, 156, 153)

Conversions

Conversions Part 1

Format	Color
Hex	669C63
RGB	102, 156, 99
RGB Percent	40%, 61%, 39%
CMY	0.6000, 0.3882, 0.6118
CMYK	0.35, 0.00, 0.37, 0.39
HSL	117°, 22%, 50%
HSV	117°, 37%, 61%
XYZ	19.6201, 27.5026, 16.0788
YIQ	133.3560, -13.8870, -29.1750

Conversions

Conversions Part 2

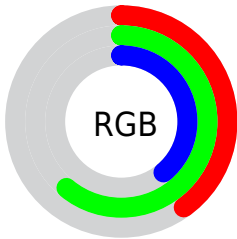
Format	Color
R_{YB}	99, 156, 153
Decimal	6724707
CIE Lab	59.44, -29.66, 24.35
CIE LCh	59, 38.374, 140.613
Yxy	27.5026, 0.3104, 0.4352
Android (android.graphics.Color)	4284914787 (0xFF669C63)
YUV	133.3560, -16.9375, -27.4992
Hunter-Lab	52.4429, -24.9941, 18.5319

Details

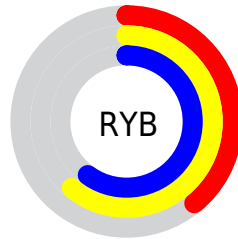
The RYB color **99, 156, 153** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **153, 99, 156**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **150, 211, 206**, and **51, 104, 104** is the 20% darker color. If you saturate the color by 10%, you get **83, 156, 152**, and if you desaturate by 10%, it is **115, 156, 154**.

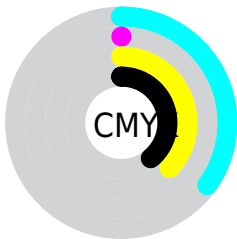
Distribution



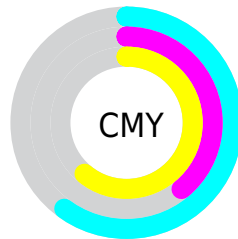
- Red (40%)
- Green (61%)
- Blue (39%)



- Red (39%)
- Yellow (61%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (37%)
- Black (39%)



- Cyan (60%)
- Magenta (39%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 156, 153 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 99, 156, 153 by changing the saturation by 10% instead.



99, 156, 153



99, 156, 153

255, 255, 255



75, 130, 128



150, 211, 206



51, 104, 104



177, 239, 234



26, 77, 80



205, 255, 250



0, 51, 56



233, 255, 249



0, 35, 35



0, 0, 0



99, 156, 153



99, 156, 153



83, 156, 152



115, 156, 154



68, 156, 152



130, 156, 154

■ 52, 156, 150

■ 146, 156, 156

■ 37, 156, 150

■ 161, 156, 161

■ 21, 156, 149

■ 176, 156, 177

■ 5, 156, 148

■ 191, 156, 193

■ 0, 156, 148

■ 205, 156, 208

■ 220, 156, 224

■ 235, 156, 239

Harmonies

Analogous

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



78, 148, 85



99, 156, 153



51, 114, 160

Triad

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



99, 156, 153



66, 119, 209



208, 117, 121

Complementary

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



99, 156, 153



153, 99, 156

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.



201, 117, 155



99, 156, 153



130, 137, 206

Square

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



99, 156, 153



0, 87, 194



175, 126, 186



197, 142, 92

Rectangle

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



99, 156, 153



0, 82, 161



175, 126, 186



208, 116, 132

Sweetspot

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



99, 156, 153



182, 204, 203



103, 156, 99



89, 102, 102



230, 230, 230



102, 102, 102

Same Dimension

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



99, 156, 153



114, 204, 199



99, 139, 156



71, 79, 78



0, 143, 135



0, 15, 14

Inverse Universe

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



153, 99, 156



199, 114, 204



156, 99, 131



79, 71, 79



135, 0, 143



14, 0, 15

Previews

White Background



This preview shows how the RYB color 99, 156, 153 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 99, 156, 153 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/YB 99, 156, 153 Background



This preview shows how black text looks on a background with the R/YB color 99, 156, 153.

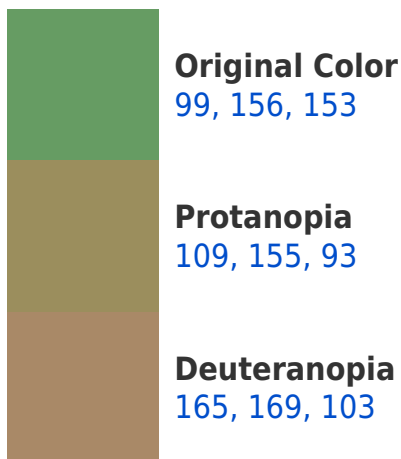



This preview shows how white text looks on a background with the R/YB color 99, 156, 153.

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, 133, 160

Trichromacy



Original Color
99, 156, 153

Protanomaly
95, 147, 106

Deuteranomaly
103, 145, 102

Tritanomaly
109, 135, 152

Monochromacy



Original Color
99, 156, 153

Achromatopsia
133, 133, 133

Achromatomaly
121, 141, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 156, 153 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(102, 156, 99)` looks like.

```
.text, #text, p{  
    color:rgb(102, 156, 99)  
}
```

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(102, 156, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 156, 99) }
```

Border

The CSS property to change the border of an element to RYB 99, 156, 153 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(102, 156, 99) }
```

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

```
.border{ border-color:rgb(102, 156, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 156, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 156, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 156, 99);  
box-shadow:4px 4px 4px 4px rgb(102, 156,  
99) }
```

Background

The CSS property to change the background color of an element to RYB 99, 156, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 156, 99) }
```

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

```
.background{ background-color: rgb(102,  
156, 99) }
```

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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