

Converting Colors

`RYB(105, 163, 118)`

Have a look what the booklet for
RYB(105, 163, 118) contains.

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Color

R_YB(105, 163, 118)

Conversions

Conversions Part 1

Format	Color
Hex	96A369
RGB	150, 163, 105
RGB Percent	59%, 64%, 41%
CMY	0.4118, 0.3608, 0.5882
CMYK	0.08, 0.00, 0.36, 0.36
HSL	73°, 24%, 53%
HSV	73°, 36%, 64%
XYZ	28.2247, 33.6983, 18.3814
YIQ	152.5010, 10.8700, -20.7940

Conversions

Conversions Part 2

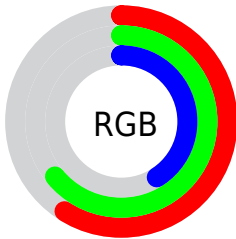
Format	Color
RYB	105, 163, 118
Decimal	9872233
CIELab	64.72, -14.36, 28.64
CIELCh	65, 32.040, 116.631
Yxy	33.6983, 0.3515, 0.4196
Android (android.graphics.Color)	4288062313 (0xFF96A369)
YUV	152.5010, -23.4180, -2.1934
Hunter-Lab	58.0503, -14.7993, 21.8612

Details

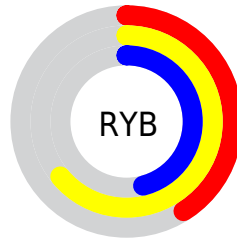
The RYB color **105, 163, 118** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **118, 105, 163**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **157, 218, 170**, and **57, 111, 70** is the 20% darker color. If you saturate the color by 10%, you get **89, 163, 106**, and if you desaturate by 10%, it is **121, 163, 130**.

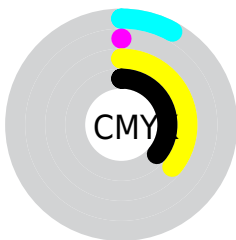
Distribution



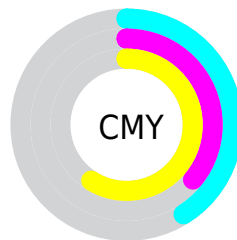
- Red (59%)
- Green (64%)
- Blue (41%)



- Red (41%)
- Yellow (64%)
- Blue (46%)



- Cyan (8%)
- Magenta (0%)
- Yellow (36%)
- Black (36%)



- Cyan (41%)
- Magenta (36%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 163, 118 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 105, 163, 118 by changing the saturation by 10% instead.

 105, 163, 118

255, 255, 255


 157, 218, 170

 184, 246, 197

 212, 255, 212


 240, 255, 240

 105, 163, 118

 80, 137, 93

 57, 111, 70

 34, 87, 47


 11, 64, 25

 0, 42, 13


 0, 23, 23

 0, 0, 0

 105, 163, 118

 89, 163, 106

 105, 163, 118

 121, 163, 130

■ 72, 163, 92

■ 138, 163, 144

■ 56, 163, 80

■ 154, 163, 156

■ 40, 163, 68

■ 165, 163, 170

■ 23, 163, 54

■ 168, 163, 187

■ 7, 163, 42

■ 172, 163, 203

■ 0, 163, 37

■ 176, 163, 219

■ 179, 163, 235

■ 183, 163, 252

Harmonies

Analogous

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



137, 179, 100



105, 163, 118



117, 162, 169

Triad

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



105, 163, 118



69, 126, 204



210, 135, 161

Complementary

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



105, 163, 118



118, 105, 163

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.



190, 141, 189



105, 163, 118



112, 145, 214

Square

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



105, 163, 118



55, 116, 182



156, 151, 208



213, 137, 133

Rectangle

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



105, 163, 118



93, 141, 172



156, 151, 208



205, 137, 171

Sweetspot

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



105, 163, 118



188, 212, 194



163, 122, 105



93, 107, 96



235, 235, 235



107, 107, 107

Same Dimension

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



105, 163, 118



121, 212, 142



105, 163, 147



73, 82, 75



0, 145, 32



0, 18, 4

Inverse Universe

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



118, 105, 163



141, 121, 212



147, 105, 163



75, 73, 82



33, 0, 145



4, 0, 18

Previews

White Background



This preview shows how the RYB color 105, 163, 118 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 105, 163, 118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

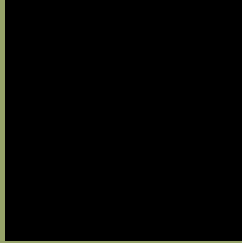
Any Text WCAG AA ✓ Pass

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 105, 163, 118 Background



This preview shows how black text looks on a background with the RYB color 105, 163, 118.



This preview shows how white text looks on a background with the RYB color 105, 163, 118.

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



Original Color
105, 163, 118

Protanopia
118, 170, 102

Deuteranopia
178, 187, 108



Tritanopia
158, 155, 168

Trichromacy



Original Color
105, 163, 118

Protanomaly
107, 163, 103

Deuteranomaly
134, 174, 107

Tritanomaly
145, 158, 148

Monochromacy



Original Color
105, 163, 118

Achromatopsia
153, 153, 153

Achromatomaly
136, 157, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 163, 118 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(150, 163, 105)` looks like.

```
.text, #text, p{  
    color:rgb(150, 163, 105)  
}
```

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(150, 163, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 163, 105) }
```

Border

The CSS property to change the border of an element to RYB 105, 163, 118 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(150, 163, 105) }
```

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

```
.border{ border-color:rgb(150, 163, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 163, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 163, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 163, 105);  
box-shadow:4px 4px 4px 4px rgb(150, 163,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 105, 163, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 163, 105) }
```

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

```
.background{ background-color: rgb(150,  
163, 105) }
```

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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