

Converting Colors

`RYB(159, 168, 105)`

Have a look what the booklet for
RYB(159, 168, 105) contains.

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Color

R_YB(159, 168, 105)

Conversions

Conversions Part 1

Format	Color
Hex	A88B69
RGB	168, 139, 105
RGB Percent	66%, 55%, 41%
CMY	0.3412, 0.4552, 0.5882
CMYK	0.00, 0.17, 0.38, 0.34
HSL	32°, 27%, 54%
HSV	32°, 38%, 66%
XYZ	27.9197, 27.7877, 17.2566
YIQ	143.7950, 28.1980, -4.4260

Conversions

Conversions Part 2

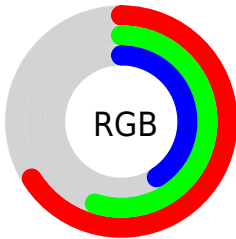
Format	Color
RYB	159, 168, 105
Decimal	11045737
CIELab	59.70, 6.10, 22.28
CIElCh	60, 23.097, 74.695
Yxy	27.7877, 0.3827, 0.3808
Android (android.graphics.Color)	4289235817 (0xFFA88B69)
YUV	143.7950, -19.1259, 21.2278
Hunter-Lab	52.7141, 2.2920, 17.4905

Details

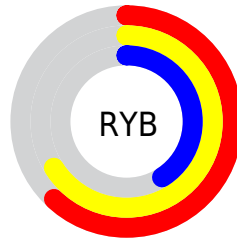
The RYB color **159, 168, 105** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **105, 125, 168**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **216, 224, 156**, and **104, 115, 57** is the 20% darker color. If you saturate the color by 10%, you get **157, 168, 88**, and if you desaturate by 10%, it is **161, 168, 122**.

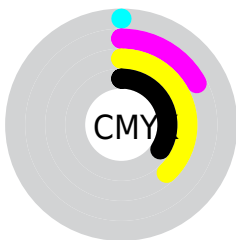
Distribution



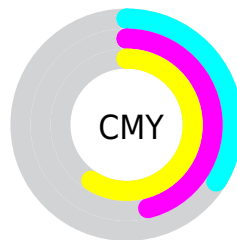
- Red (66%)
- Green (55%)
- Blue (41%)



- Red (62%)
- Yellow (66%)
- Blue (41%)



- Cyan (0%)
- Magenta (17%)
- Yellow (38%)
- Black (34%)



- Cyan (34%)
- Magenta (46%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 168, 105 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 159, 168, 105 by changing the saturation by 10% instead.

 159, 168, 105

255, 255, 255

 216, 224, 156

 245, 253, 183

 218, 255, 211

 240, 255, 240

 159, 168, 105

 157, 168, 88

 159, 168, 105

 134, 141, 81

 104, 115, 57

 75, 89, 35


 47, 64, 14


 32, 41, 0

 12, 0, 0


 0, 0, 0

 159, 168, 105


 161, 168, 122

 155, 168, 71


 166, 168, 139

 151, 168, 55

 166, 168, 155

 149, 168, 38

 168, 169, 172

 148, 168, 21

 168, 175, 189

 146, 168, 4

 168, 180, 206

 146, 168, 0

 168, 185, 223

 168, 191, 239

 168, 196, 255

Harmonies

Analogous

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



181, 139, 116



159, 168, 105



106, 148, 104

Triad

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



159, 168, 105



86, 121, 155



159, 135, 173

Complementary

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



159, 168, 105



105, 125, 168

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.



133, 141, 183



159, 168, 105



85, 123, 172

Square

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



159, 168, 105



103, 136, 154



104, 133, 182



178, 130, 155

Rectangle

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



159, 168, 105



110, 150, 127



104, 133, 182



151, 137, 177

Sweetspot

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



159, 168, 105



215, 219, 195



168, 105, 134



108, 110, 95



237, 237, 237



110, 110, 110

Same Dimension

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



159, 168, 105



204, 219, 121



105, 168, 107



84, 84, 76



126, 148, 0



16, 20, 0

Inverse Universe

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



105, 125, 168



121, 152, 219



107, 105, 168



76, 79, 84



0, 47, 148



0, 6, 20

Previews

White Background



This preview shows how the RYB color 159, 168, 105 looks on a white background.

Color Contrast Check

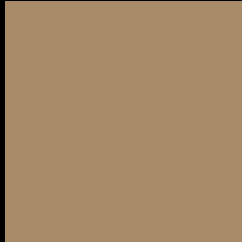
Large Text (above 18pt) WCAG AA ✓ Pass

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 159, 168, 105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

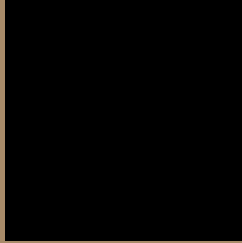
Any Text WCAG AA ✓ Pass

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](#).

RYB 159, 168, 105 Background



This preview shows how black text looks on a background with the RYB color 159, 168, 105.



This preview shows how white text looks on a background with the RYB color 159, 168, 105.

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


159, 168, 105

Protanopia

120, 154, 107

Deuteranopia

168, 170, 105



Tritanopia

172, 134, 144

Trichromacy



Original Color
159, 168, 105

Protanomaly
131, 159, 106

Deuteranomaly
165, 169, 105

Tritanomaly
171, 137, 130

Monochromacy



Original Color
159, 168, 105

Achromatopsia
144, 144, 144

Achromatomaly
151, 153, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 168, 105 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(168, 139, 105)` looks like.

```
.text, #text, p{  
    color:rgb(168, 139, 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(168, 139, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 139, 105) }
```

Border

The CSS property to change the border of an element to RYB 159, 168, 105 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(168, 139, 105) }
```

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

```
.border{ border-color:rgb(168, 139, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 139, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 139, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 139, 105);  
box-shadow:4px 4px 4px 4px rgb(168, 139,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 159, 168, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 139, 105) }
```

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

```
.background{ background-color: rgb(168,  
139, 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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