

Converting Colors

`RYB(166, 158, 149)`

Have a look what the booklet for
RYB(166, 158, 149) contains.

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Color

R_YB(166, 158, 149)

Conversions

Conversions Part 1

Format	Color
Hex	A69B95
RGB	166, 155, 149
RGB Percent	65%, 61%, 58%
CMY	0.3490, 0.3926, 0.4157
CMYK	0.00, 0.07, 0.10, 0.35
HSL	21°, 9%, 62%
HSV	21°, 10%, 65%
XYZ	32.8529, 33.6812, 33.2034
YIQ	157.6050, 8.4820, 0.4660

Conversions

Conversions Part 2

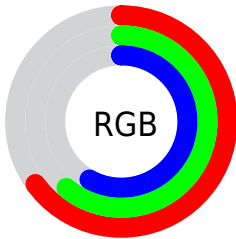
Format	Color
RYB	166, 158, 149
Decimal	10918805
CIELab	64.71, 3.02, 4.53
CIELCh	65, 5.446, 56.372
Yxy	33.6812, 0.3294, 0.3377
Android (android.graphics.Color)	4289108885 (0xFFA69B95)
YUV	157.6050, -4.2423, 7.3624
Hunter-Lab	58.0355, -0.5166, 6.7038

Details

The RYB color **166, 158, 149** is a light color, and the websafe version is hex **999999**. A complement of this color would be **149, 156, 166**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **221, 212, 203**, and **114, 108, 98** is the 20% darker color. If you saturate the color by 10%, you get **166, 151, 132**, and if you desaturate by 10%, it is **166, 166, 166**.

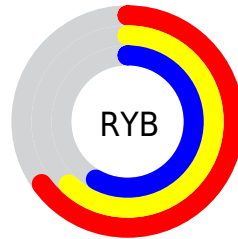
Distribution



Red (65%)

Green (61%)

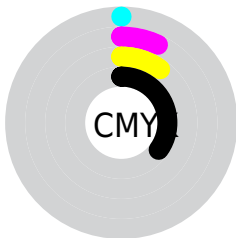
Blue (58%)



Red (65%)

Yellow (62%)

Blue (58%)

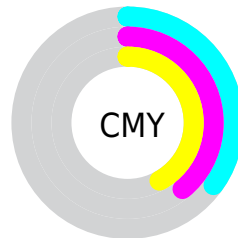


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (35%)



Cyan (35%)

Magenta (39%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 158, 149 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 166, 158, 149 by changing the saturation by 10% instead.


 166, 158, 149

255, 255, 255

 221, 212, 203

 250, 242, 231

 166, 158, 149

 140, 132, 123

 114, 108, 98

 89, 83, 75

 66, 60, 52

 44, 37, 31

 24, 20, 6

 0, 0, 0

 166, 158, 149


 166, 151, 132


 166, 158, 149


 166, 166, 166

 166, 142, 116


 166, 173, 182

 166, 134, 99


 166, 179, 199

 166, 125, 83


 166, 185, 215

 166, 120, 66

 166, 192, 232

 166, 112, 49

 166, 199, 249

 166, 103, 33

 166, 204, 255

 166, 96, 16

 166, 207, 255

 166, 87, 0

 166, 210, 255

Harmonies

Analogous

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



168, 154, 153



166, 158, 149



157, 162, 147

Triad

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



166, 158, 149



147, 155, 160



157, 156, 166

Complementary

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



166, 158, 149



149, 156, 166

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.



151, 156, 167



166, 158, 149



145, 153, 161

Square

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



166, 158, 149



151, 159, 159



147, 154, 165



163, 155, 162

Rectangle

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



166, 158, 149



149, 158, 148



147, 154, 165



155, 156, 166

Sweetspot

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



166, 158, 149



217, 213, 210



166, 149, 160



110, 108, 105



237, 237, 237



110, 110, 110

Same Dimension

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



166, 158, 149



217, 205, 191



153, 166, 149



84, 81, 76



148, 78, 0



20, 11, 0

Inverse Universe

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



149, 156, 166



191, 201, 217



149, 152, 166



76, 79, 84



0, 59, 148



0, 8, 20

Previews

White Background



This preview shows how the RYB color 166, 158, 149 looks on a white background.

Color Contrast Check

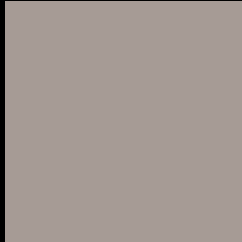
Large Text (above 18pt) WCAG AA × Fail

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 166, 158, 149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

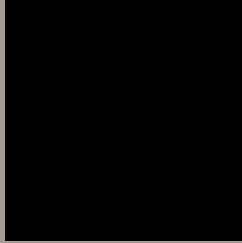
Any Text WCAG AA ✓ Pass

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](#).

RYB 166, 158, 149 Background



This preview shows how black text looks on a background with the RYB color 166, 158, 149.



This preview shows how white text looks on a background with the RYB color 166, 158, 149.

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

166, 158, 149

Protanopia

159, 161, 150

Deuteranopia

175, 152, 150



Tritanopia
168, 153, 165

Trichromacy



Original Color

166, 158, 149

Protanomaly

163, 161, 150

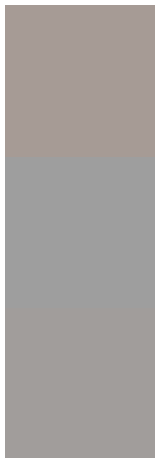
Deuteranomaly

172, 153, 150

Tritanomaly

167, 154, 159

Monochromacy



Original Color

166, 158, 149

Achromatopsia

158, 158, 158

Achromatomaly

161, 158, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 158, 149 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(166, 155, 149) looks like.

```
.text, #text, p{  
    color:rgb(166, 155, 149)  
}
```

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(166, 155, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 155, 149) }
```

Border

The CSS property to change the border of an element to RYB 166, 158, 149 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(166, 155, 149) }
```

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

```
.border{ border-color:rgb(166, 155, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 155, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 155, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 155, 149);  
box-shadow:4px 4px 4px 4px rgb(166, 155,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 166, 158, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 155, 149) }
```

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

```
.background{ background-color: rgb(166,  
155, 149) }
```

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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