

Converting Colors

`RYB(168, 168, 150)`

Have a look what the booklet for
RYB(168, 168, 150) contains.

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Color

R_YB(168, 168, 150)

Conversions

Conversions Part 1

Format	Color
Hex	A89F96
RGB	168, 159, 150
RGB Percent	66%, 62%, 59%
CMY	0.3412, 0.3765, 0.4118
CMYK	0.00, 0.05, 0.11, 0.34
HSL	30°, 9%, 62%
HSV	30°, 11%, 66%
XYZ	34.0516, 35.3231, 33.8775
YIQ	160.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

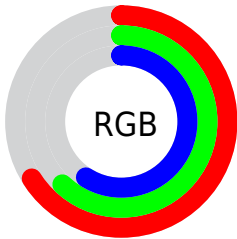
Format	Color
RYB	168, 168, 150
Decimal	11050902
CIELab	66.00, 1.67, 5.86
CIELCh	66, 6.089, 74.084
Yxy	35.3231, 0.3298, 0.3421
Android (android.graphics.Color)	4289240982 (0xFFA89F96)
YUV	160.6650, -5.2578, 6.4328
Hunter-Lab	59.4333, -1.7386, 7.8074

Details

The RYB color **168, 168, 150** is a light color, and the websafe version is hex **999999**. A complement of this color would be **150, 156, 168**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **221, 223, 204**, and **114, 116, 99** is the 20% darker color. If you saturate the color by 10%, you get **166, 168, 133**, and if you desaturate by 10%, it is **168, 167, 167**.

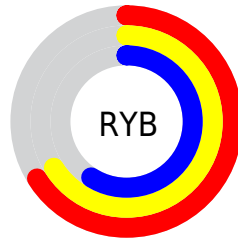
Distribution



Red (66%)

Green (62%)

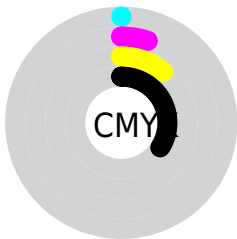
Blue (59%)



Red (66%)

Yellow (66%)

Blue (59%)

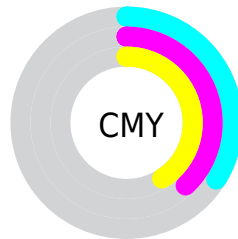


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (34%)



Cyan (34%)

Magenta (38%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 168, 150 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 168, 168, 150 by changing the saturation by 10% instead.


 168, 168, 150

255, 255, 255


 221, 223, 204

 252, 252, 232

 168, 168, 150

 142, 142, 124

 114, 116, 99

 91, 91, 75

 68, 66, 53

 43, 45, 32


 20, 25, 8

 0, 0, 0

 168, 168, 150

 166, 168, 133

 168, 168, 150


 168, 167, 167

 168, 168, 116


 168, 173, 184

 168, 168, 100


 168, 179, 200


 168, 166, 83


 168, 185, 217

 168, 168, 66


 168, 190, 234

 166, 168, 49

 168, 195, 251

 168, 168, 32

 168, 200, 255

 168, 168, 16

 168, 203, 255

 168, 168, 0

 168, 206, 255

Harmonies

Analogous

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



172, 160, 153



168, 168, 150



151, 162, 150

Triad

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



168, 168, 150



147, 156, 164



165, 158, 168

Complementary

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



168, 168, 150



150, 156, 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.



158, 160, 171



168, 168, 150



148, 157, 168

Square

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



168, 168, 150



150, 158, 163



152, 159, 171



170, 157, 163

Rectangle

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



168, 168, 150



151, 162, 155



152, 159, 171



163, 159, 169

Sweetspot

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



168, 168, 150



219, 219, 213



168, 150, 159



110, 108, 105



237, 237, 237



110, 110, 110

Same Dimension

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



168, 168, 150



219, 219, 191



150, 168, 150



84, 84, 76



148, 148, 0



20, 20, 0

Inverse Universe

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



150, 156, 168



191, 200, 219



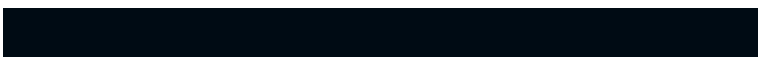
150, 150, 168



76, 79, 84



0, 49, 148



0, 7, 20

Previews

White Background



This preview shows how the RYB color 168, 168, 150 looks on a white background.

Color Contrast Check

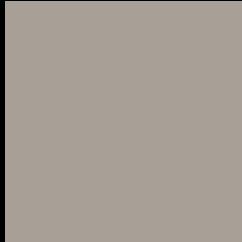
Large Text (above 18pt) WCAG AA × Fail

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 168, 168, 150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

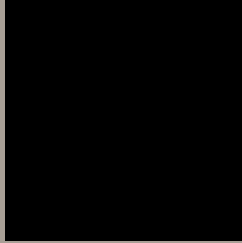
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

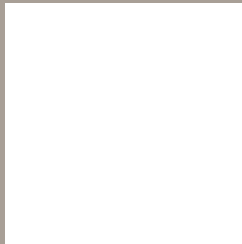
Any Text WCAG AAA ✓ Pass

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

RYB 168, 168, 150 Background



This preview shows how black text looks on a background with the RYB color 168, 168, 150.

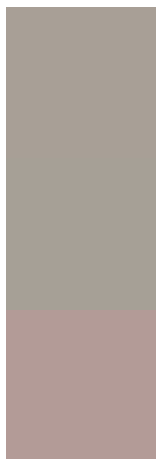


This preview shows how white text looks on a background with the RYB color 168, 168, 150.

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

168, 168, 150

Protanopia

160, 166, 150

Deuteranopia

179, 156, 151



Tritanopia
171, 156, 169

Trichromacy



Original Color

168, 168, 150

Protanomaly

162, 167, 150

Deuteranomaly

175, 157, 151

Tritanomaly

170, 157, 162

Monochromacy



Original Color

168, 168, 150

Achromatopsia

161, 161, 161

Achromatomaly

164, 162, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 168, 150 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, 159, 150)` looks like.

```
.text, #text, p{  
    color:rgb(168, 159, 150)  
}
```

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, 159, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 159, 150) }
```

Border

The CSS property to change the border of an element to RYB 168, 168, 150 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, 159, 150) }
```

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

```
.border{ border-color:rgb(168, 159, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 159, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 159, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 159, 150);  
box-shadow:4px 4px 4px 4px rgb(168, 159,  
150) }
```

Background

The CSS property to change the background color of an element to RYB 168, 168, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 159, 150) }
```

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

```
.background{ background-color: rgb(168,  
159, 150) }
```

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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