

# Converting Colors

`RYB(150, 144, 150)`

Have a look what the booklet for  
RYB(150, 144, 150) contains.

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# **Color**

**R<sub>Y</sub>B(150, 144, 150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	969096
RGB	150, 144, 150
RGB Percent	59%, 56%, 59%
CMY	0.4118, 0.4353, 0.4118
CMYK	0.00, 0.04, 0.00, 0.41
HSL	300°, 3%, 58%
HSV	300°, 4%, 59%
XYZ	28.0560, 28.6326, 32.9021
YIQ	146.4780, 1.6500, 3.1380

# Conversions

## Conversions Part 2

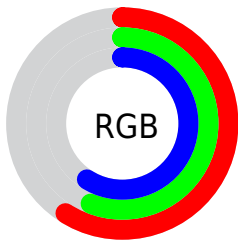
Format	Color
R <sub>Y</sub> B	150, 144, 150
Decimal	9867414
CIE Lab	60.46, 3.36, -2.39
CIE LCh	60, 4.125, 324.605
Yxy	28.6326, 0.3132, 0.3196
Android (android.graphics.Color)	4288057494 (0xFF969096)
YUV	146.4780, 1.7363, 3.0888
Hunter-Lab	53.5094, -0.0506, 1.0001

# Details

The RYB color **150, 144, 150** is a light color, and the websafe version is hex **999999**. A complement of this color would be **144, 150, 150**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **204, 198, 204**, and **99, 94, 99** is the 20% darker color. If you saturate the color by 10%, you get **150, 129, 150**, and if you desaturate by 10%, it is **150, 159, 159**.

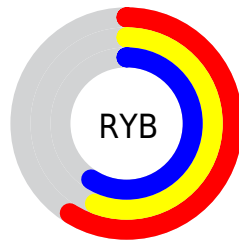
# Distribution



Red (59%)

Green (56%)

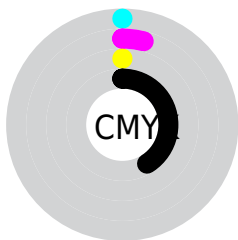
Blue (59%)



Red (59%)

Yellow (56%)

Blue (59%)

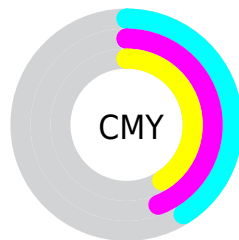


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (41%)



Cyan (41%)

Magenta (44%)


Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 150, 144, 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 150, 144, 150 by changing the saturation by 10% instead.




 150, 144, 150


255, 255, 255

 204, 198, 204


 232, 226, 232

255, 254, 255

 150, 144, 150

 124, 118, 124

 99, 94, 99

 75, 70, 75

 53, 48, 53


 32, 27, 32


 8, 0, 8


 0, 0, 0


 150, 144, 150


 150, 129, 150


 150, 144, 150


 150, 159, 159

 150, 114, 150


 150, 174, 174

 150, 99, 150


 150, 189, 189

 150, 84, 150


 150, 204, 204

 150, 69, 150


 150, 219, 219

 150, 54, 150

 150, 234, 234

 150, 39, 150

 150, 249, 249

 150, 24, 150

 150, 255, 255

 150, 9, 150

# Harmonies

## Analogous

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



146, 145, 152



150, 144, 150



153, 143, 147

# Triad

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



150, 144, 150



148, 150, 139



137, 143, 149

# Complementary

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



150, 144, 150



144, 150, 150

# 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.



138, 144, 148



150, 144, 150



139, 146, 139

# Square

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



150, 144, 150



153, 146, 140



141, 147, 147



138, 143, 152

# Rectangle

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



150, 144, 150



154, 143, 144



141, 147, 147



137, 143, 148



# Sweetspot

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



150, 144, 150



194, 192, 194



144, 144, 150



97, 96, 97



224, 224, 224



97, 97, 97



# Same Dimension

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



150, 144, 150



194, 184, 194



150, 144, 147



74, 70, 74



138, 0, 138



10, 0, 10



# Inverse Universe

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



150, 144, 150



194, 184, 194



144, 148, 150



74, 70, 74



138, 0, 138



10, 0, 10



# Previews

## White Background



This preview shows how the RYB color 150, 144, 150 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 150, 144, 150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

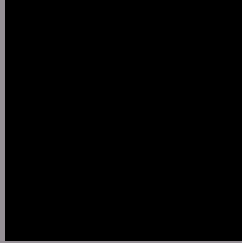
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

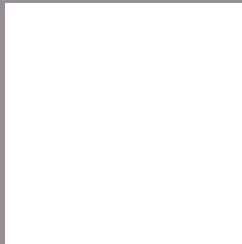
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 150, 144, 150 Background



This preview shows how black text looks on a background with the RYB color 150, 144, 150.



This preview shows how white text looks on a background with the RYB color 150, 144, 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**


150, 144, 150

**Protanopia**

147, 145, 151

**Deuteranopia**

158, 141, 151



**Tritanopia**  
151, 143, 155

# Trichromacy



## Original Color

150, 144, 150

## Protanomaly

148, 145, 151

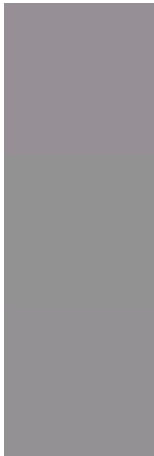
## Deuteranomaly

155, 142, 151

## Tritanomaly

151, 143, 153

# Monochromacy



## Original Color

150, 144, 150

## Achromatopsia

146, 146, 146

## Achromatomaly

147, 145, 147

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 150, 144, 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(150, 144, 150) looks like.

```
.text, #text, p{  
    color:rgb(150, 144, 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(150, 144, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 144, 150) }
```

## Border

The CSS property to change the border of an element to RYB 150, 144, 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(150, 144, 150) }
```

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

```
.border{ border-color:rgb(150, 144, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 144, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 144, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 144, 150);  
box-shadow:4px 4px 4px 4px rgb(150, 144,  
150) }
```

# Background

The CSS property to change the background color of an element to RYB 150, 144, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 144, 150) }
```

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

```
.background{ background-color: rgb(150,  
144, 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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