

# Converting Colors

`RYB(147, 126, 112)`

Have a look what the booklet for  
RYB(147, 126, 112) contains.

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# Color

**R<sub>Y</sub>B(147, 126, 112)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	937A70
RGB	147, 122, 112
RGB Percent	58%, 48%, 44%
CMY	0.4235, 0.5216, 0.5608
CMYK	0.00, 0.17, 0.24, 0.42
HSL	17°, 14%, 51%
HSV	17°, 24%, 58%
XYZ	21.9168, 21.2920, 18.2839
YIQ	128.3350, 18.1100, 2.1900

# Conversions

## Conversions Part 2

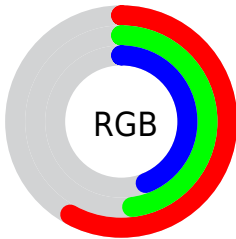
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 126, 112
Decimal	9665136
CIE Lab	53.27, 8.04, 9.09
CIE LCh	53, 12.133, 48.496
Yxy	21.2920, 0.3564, 0.3463
Android (android.graphics.Color)	4287855216 (0xFF937A70)
YUV	128.3350, -8.0532, 16.3692
Hunter-Lab	46.1432, 4.0321, 8.8071

# Details

The RYB color **147, 126, 112** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **112, 127, 147**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **201, 178, 164**, and **96, 77, 64** is the 20% darker color. If you saturate the color by 10%, you get **147, 118, 97**, and if you desaturate by 10%, it is **147, 136, 127**.

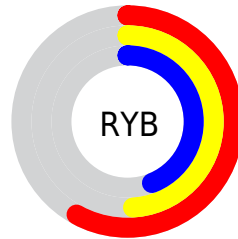
# Distribution



Red (58%)

Green (48%)

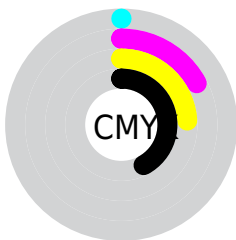
Blue (44%)



Red (58%)

Yellow (49%)

Blue (44%)

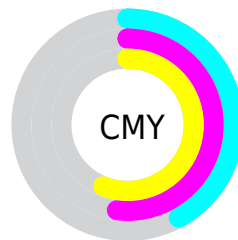


Cyan (0%)

Magenta (17%)

Yellow (24%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (56%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 147, 126, 112 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 147, 126, 112 by changing the saturation by 10% instead.



 147, 126, 112

255, 255, 255

 201, 178, 164

 230, 206, 191


 255, 235, 219


 247, 255, 247

 147, 126, 112


 147, 118, 97


 147, 108, 83

 147, 126, 112

 121, 100, 88

 96, 77, 64

 72, 55, 42

 48, 34, 22

 28, 6, 0

 0, 0, 0

 147, 126, 112

 147, 136, 127

 147, 144, 141

■ 147, 100, 68

■ 147, 151, 156

■ 147, 91, 53

■ 147, 157, 171

■ 147, 82, 39

■ 147, 163, 185

■ 147, 73, 24

■ 147, 169, 200

■ 147, 65, 9

■ 147, 175, 215

■ 147, 59, 0

■ 147, 181, 230

■ 147, 187, 244

# Harmonies

## Analogous

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



149, 120, 121



147, 126, 112



132, 139, 107

# Triad

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



147, 126, 112



106, 123, 133



124, 126, 147

# Complementary

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



147, 126, 112



112, 127, 147

# 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.



111, 123, 147



147, 126, 112



100, 117, 133

# Square

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



147, 126, 112



113, 131, 127



102, 119, 142



137, 123, 141

# Rectangle

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



147, 126, 112



113, 132, 107



102, 119, 142



120, 126, 148



# Sweetspot

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



147, 126, 112



191, 184, 178



147, 112, 137



97, 92, 89



224, 224, 224



97, 97, 97



# Same Dimension

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



147, 126, 112



191, 159, 136



122, 147, 112



74, 70, 67



138, 54, 0



10, 4, 0



# Inverse Universe

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



112, 127, 147



136, 159, 191



112, 119, 147



67, 70, 74



0, 57, 138



0, 4, 10



# Previews

## White Background



This preview shows how the RYB color 147, 126, 112 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 147, 126, 112 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 147, 126, 112 Background**



This preview shows how black text looks on a background with the RYB color 147, 126, 112.



This preview shows how white text looks on a background with the RYB color 147, 126, 112.

# 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**

[147](#), [126](#), [112](#)

**Protanopia**

[124](#), [133](#), [115](#)

**Deuteranopia**

[145](#), [129](#), [112](#)



**Tritanopia**  
149, 120, 129

# Trichromacy



**Original Color**

147, 126, 112

**Protanomaly**

138, 134, 114

**Deuteranomaly**

146, 128, 112

**Tritanomaly**

148, 121, 123

# Monochromacy



**Original Color**

147, 126, 112

**Achromatopsia**

128, 128, 128

**Achromatomaly**

135, 128, 122

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 147, 126, 112 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(147, 122, 112) looks like.

```
.text, #text, p{  
    color:rgb(147, 122, 112)  
}
```

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(147, 122, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 122, 112) }
```

## Border

The CSS property to change the border of an element to RYB 147, 126, 112 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(147, 122, 112) }
```

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

```
.border{ border-color:rgb(147, 122, 112) }
```

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

Here you see how a box with a 4 pixel rgb(147, 122, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 122, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 122, 112);  
box-shadow:4px 4px 4px 4px rgb(147, 122,  
112) }
```

# Background

The CSS property to change the background color of an element to RYB 147, 126, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 122, 112) }
```

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

```
.background{ background-color: rgb(147,  
122, 112) }
```

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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