

Converting Colors

`RYB(131, 112, 117)`

Have a look what the booklet for
RYB(131, 112, 117) contains.

RYB(131, 112, 117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_{YB}(131, 112, 117)

Conversions

Conversions Part 1

Format	Color
Hex	837075
RGB	131, 112, 117
RGB Percent	51%, 44%, 46%
CMY	0.4863, 0.5608, 0.5412
CMYK	0.00, 0.15, 0.11, 0.49
HSL	344°, 8%, 48%
HSV	344°, 15%, 51%
XYZ	18.3651, 17.6980, 19.2777
YIQ	118.2510, 9.7190, 5.5830

Conversions

Conversions Part 2

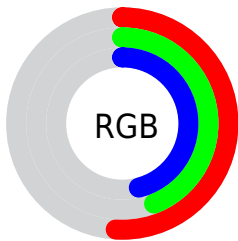
Format	Color
R _Y B	131, 112, 117
Decimal	8614005
CIE Lab	49.13, 8.34, -0.01
CIE LCh	49, 8.337, 359.898
Yxy	17.6980, 0.3319, 0.3198
Android (android.graphics.Color)	4286804085 (0xFF837075)
YUV	118.2510, -0.6167, 11.1809
Hunter-Lab	42.0690, 4.3031, 2.2792

Details

The RYB color **131, 112, 117** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **112, 123, 131**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **184, 164, 169**, and **81, 64, 69** is the 20% darker color. If you saturate the color by 10%, you get **131, 99, 107**, and if you desaturate by 10%, it is **131, 125, 127**.

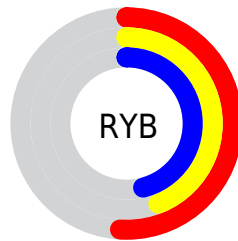
Distribution



Red (51%)

Green (44%)

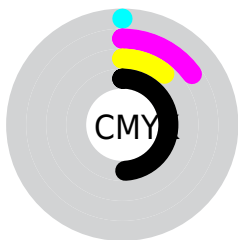
Blue (46%)



Red (51%)

Yellow (44%)

Blue (46%)

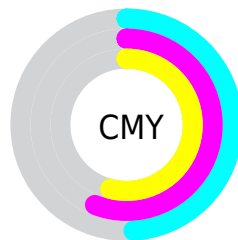


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (49%)



Cyan (49%)


Magenta (56%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the RYB color 131, 112, 117 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 131, 112, 117 by changing the saturation by 10% instead.

 131, 112, 117


255, 255, 255


 184, 164, 169

 212, 191, 196


 240, 219, 224

 255, 247, 253

 131, 112, 117

 131, 99, 107

 131, 86, 98

 131, 112, 117

 106, 88, 92


 81, 64, 69


 58, 42, 47


 36, 22, 26

 12, 0, 0

 0, 0, 0

 131, 112, 117

 131, 125, 127

 131, 135, 138

■ 131, 73, 88

■ 131, 142, 151

■ 131, 60, 78

■ 131, 150, 164

■ 131, 47, 69

■ 131, 158, 178

■ 131, 33, 59

■ 131, 166, 191

■ 131, 20, 49

■ 131, 173, 204

■ 131, 7, 40

■ 131, 181, 217

■ 131, 0, 34

■ 131, 188, 230

Harmonies

Analogous

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



126, 113, 124



131, 112, 117



132, 112, 110

Triad

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



131, 112, 117



104, 118, 107



102, 112, 129

Complementary

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



131, 112, 117



112, 123, 131

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.



99, 110, 123



131, 112, 117



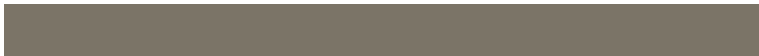
107, 118, 120

Square

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



131, 112, 117



114, 123, 103



101, 112, 121



109, 115, 131

Rectangle

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



131, 112, 117



130, 116, 106



101, 112, 121



101, 112, 127

Sweetspot

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



131, 112, 117



171, 164, 166



126, 112, 131



87, 82, 84



214, 214, 214



87, 87, 87

Same Dimension

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



131, 112, 117



171, 142, 149



131, 117, 112



66, 60, 61



130, 0, 34



3, 0, 1

Inverse Universe

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



131, 112, 117



171, 142, 149



112, 120, 131



66, 60, 61



130, 0, 34



3, 0, 1

Previews

White Background



This preview shows how the RYB color 131, 112, 117 looks on a white background.

Color Contrast Check

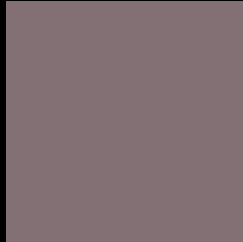
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 131, 112, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

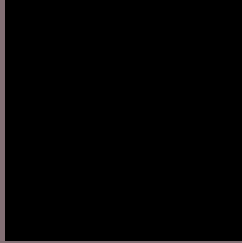
Any Text WCAG AA ✓ Pass

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 131, 112, 117 Background



This preview shows how black text looks on a background with the RYB color 131, 112, 117.



This preview shows how white text looks on a background with the RYB color 131, 112, 117.

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


[131](#), [112](#), [117](#)

Protanopia

[118](#), [116](#), [119](#)

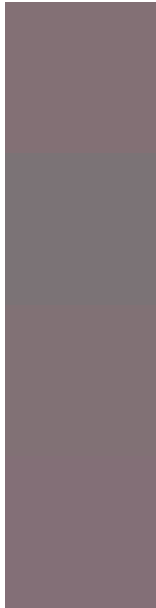
Deuteranopia

[128](#), [113](#), [117](#)



Tritanopia
131, 111, 120

Trichromacy



Original Color

131, 112, 117

Protanomaly

123, 115, 118

Deuteranomaly

129, 113, 117

Tritanomaly

131, 111, 119

Monochromacy



Original Color

131, 112, 117

Achromatopsia

118, 118, 118

Achromatomaly

123, 116, 118

CSS Examples

Text

The CSS property to change the color of the text to RYB 131, 112, 117 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(131, 112, 117)` looks like.

```
.text, #text, p{  
    color:rgb(131, 112, 117)  
}
```

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(131, 112, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 112, 117) }
```

Border

The CSS property to change the border of an element to RYB 131, 112, 117 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(131, 112, 117) }
```

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

```
.border{ border-color:rgb(131, 112, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 112, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 112, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 112, 117);  
box-shadow:4px 4px 4px 4px rgb(131, 112,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 131, 112, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 112, 117) }
```

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

```
.background{ background-color: rgb(131,  
112, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor