

Converting Colors

`RYB(128, 158, 112)`

Have a look what the booklet for
RYB(128, 158, 112) contains.

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Color

R_YB(128, 158, 112)

Conversions

Conversions Part 1

Format	Color
Hex	9E9270
RGB	158, 146, 112
RGB Percent	62%, 57%, 44%
CMY	0.3804, 0.4269, 0.5608
CMYK	0.00, 0.08, 0.29, 0.38
HSL	45°, 19%, 53%
HSV	45°, 29%, 62%
XYZ	27.3240, 29.0365, 19.4937
YIQ	145.7120, 18.0660, -8.0300

Conversions

Conversions Part 2

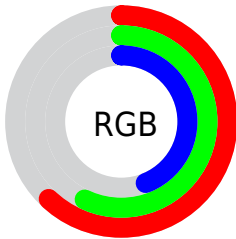
Format	Color
RYB	128, 158, 112
Decimal	10392176
CIELab	60.81, -1.10, 19.72
CIELCh	61, 19.747, 93.196
Yxy	29.0365, 0.3602, 0.3828
Android (android.graphics.Color)	4288582256 (0xFF9E9270)
YUV	145.7120, -16.6200, 10.7766
Hunter-Lab	53.8856, -3.7870, 16.2710

Details

The RYB color **128, 158, 112** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **112, 122, 158**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **182, 213, 164**, and **77, 106, 64** is the 20% darker color. If you saturate the color by 10%, you get **118, 158, 96**, and if you desaturate by 10%, it is **139, 158, 128**.

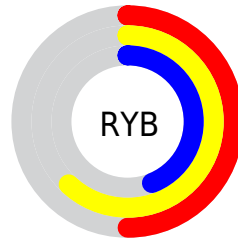
Distribution



Red (62%)

Green (57%)

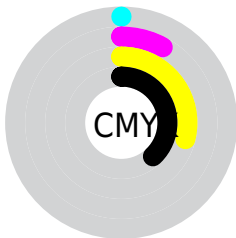
Blue (44%)



Red (50%)

Yellow (62%)

Blue (44%)

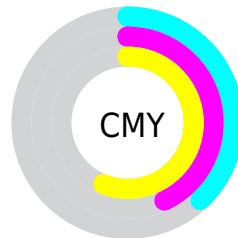


Cyan (0%)

Magenta (8%)

Yellow (29%)

Black (38%)



Cyan (38%)

Magenta (43%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 158, 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 128, 158, 112 by changing the saturation by 10% instead.

 128, 158, 112

255, 255, 255

 182, 213, 164


 210, 242, 191

 219, 255, 219


 248, 255, 248

 128, 158, 112

 118, 158, 96

 128, 158, 112

 103, 132, 87

 77, 106, 64


 54, 81, 42


 29, 57, 20

 9, 36, 0

 0, 4, 2

 0, 0, 0

 128, 158, 112

 139, 158, 128

■ 107, 158, 80

■ 150, 158, 144

■ 97, 158, 65

■ 158, 158, 159

■ 87, 158, 49

■ 158, 161, 175

■ 76, 158, 33

■ 158, 165, 191

■ 65, 158, 17

■ 158, 168, 207

■ 55, 158, 1

■ 158, 171, 223

■ 55, 158, 0

■ 158, 175, 238

■ 158, 178, 254

Harmonies

Analogous

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



173, 157, 116



128, 158, 112



117, 151, 129

Triad

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



128, 158, 112



98, 129, 165



171, 137, 163

Complementary

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



128, 158, 112



112, 122, 158

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.



152, 142, 176



128, 158, 112



107, 135, 177

Square

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



128, 158, 112



103, 132, 157



129, 143, 181



181, 134, 145

Rectangle

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



128, 158, 112



125, 154, 154



129, 143, 181



165, 138, 168

Sweetspot

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



128, 158, 112



195, 207, 188



158, 112, 124



97, 105, 93



232, 232, 232



105, 105, 105

Same Dimension

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



128, 158, 112



160, 207, 134



112, 158, 123



74, 79, 71



50, 143, 0



5, 15, 0

Inverse Universe

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



112, 122, 158



134, 149, 207



123, 112, 158



71, 73, 79



0, 29, 143



0, 3, 15

Previews

White Background



This preview shows how the RYB color 128, 158, 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 128, 158, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

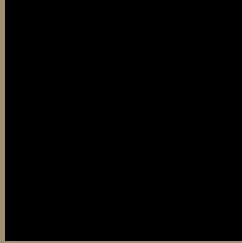
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

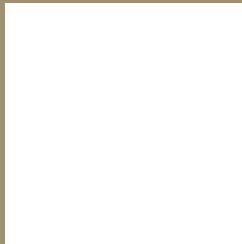
Any Text WCAG AAA × Fail

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

RYB 128, 158, 112 Background



This preview shows how black text looks on a background with the RYB color 128, 158, 112.



This preview shows how white text looks on a background with the RYB color 128, 158, 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


[128](#), [158](#), [112](#)

Protanopia

[125](#), [157](#), [112](#)

Deuteranopia

[172](#), [166](#), [113](#)



Tritanopia
163, 141, 152

Trichromacy



Original Color
128, 158, 112

Protanomaly
125, 157, 112

Deuteranomaly
156, 167, 113

Tritanomaly
161, 145, 137

Monochromacy



Original Color
128, 158, 112

Achromatopsia
146, 146, 146

Achromatomaly
139, 150, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 158, 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(158, 146, 112) looks like.

```
.text, #text, p{  
    color:rgb(158, 146, 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(158, 146, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 146, 112) }
```

Border

The CSS property to change the border of an element to RYB 128, 158, 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(158, 146, 112) }
```

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

```
.border{ border-color:rgb(158, 146, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 146, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 146, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 146, 112);  
box-shadow:4px 4px 4px 4px rgb(158, 146,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 128, 158, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 146, 112) }
```

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

```
.background{ background-color: rgb(158,  
146, 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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