

Converting Colors

`RYB(162, 166, 112)`

Have a look what the booklet for
RYB(162, 166, 112) contains.

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Color

R_YB(162, 166, 112)

Conversions

Conversions Part 1

Format	Color
Hex	A68C70
RGB	166, 140, 112
RGB Percent	65%, 55%, 44%
CMY	0.3490, 0.4508, 0.5608
CMYK	0.00, 0.16, 0.33, 0.35
HSL	31°, 23%, 55%
HSV	31°, 33%, 65%
XYZ	28.0342, 28.0443, 19.2648
YIQ	144.5820, 24.4840, -3.1960

Conversions

Conversions Part 2

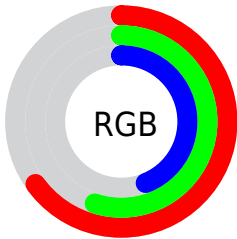
Format	Color
RYB	162, 166, 112
Decimal	10914928
CIELab	59.93, 5.55, 18.63
CIElCh	60, 19.442, 73.415
Yxy	28.0443, 0.3721, 0.3722
Android (android.graphics.Color)	4289105008 (0xFFA68C70)
YUV	144.5820, -16.0629, 18.7836
Hunter-Lab	52.9568, 1.8197, 15.5011

Details

The RYB color **162, 166, 112** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **112, 130, 166**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **218, 222, 164**, and **107, 113, 64** is the 20% darker color. If you saturate the color by 10%, you get **160, 166, 95**, and if you desaturate by 10%, it is **164, 166, 129**.

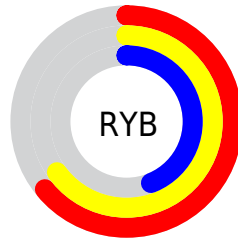
Distribution



Red (65%)

Green (55%)

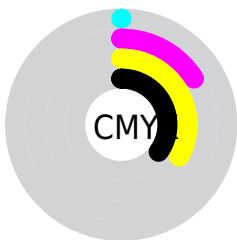
Blue (44%)



Red (64%)

Yellow (65%)

Blue (44%)

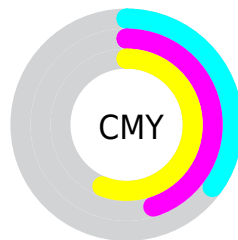


Cyan (0%)

Magenta (16%)

Yellow (33%)

Black (35%)



Cyan (35%)


Magenta (45%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 162, 166, 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 162, 166, 112 by changing the saturation by 10% instead.

 162, 166, 112

255, 255, 255

 218, 222, 164

 251, 251, 191


 225, 255, 219

 247, 255, 247

 162, 166, 112

 132, 139, 87

 107, 113, 64

 81, 88, 42


 55, 64, 21

 29, 41, 0

 13, 0, 0


 0, 0, 0

 162, 166, 112


 160, 166, 95

 162, 166, 112


 164, 166, 129

 160, 166, 79


 164, 166, 145

 158, 166, 62

 166, 166, 162


 158, 166, 46

 166, 170, 178


 156, 166, 29


 166, 175, 195

 154, 166, 12

 166, 181, 212

 154, 166, 0

 166, 186, 228

 166, 192, 245

 166, 196, 255

Harmonies

Analogous

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



177, 139, 122



162, 166, 112



114, 149, 111

Triad

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



162, 166, 112



98, 127, 154



157, 137, 169

Complementary

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



162, 166, 112



112, 130, 166

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.



135, 142, 177



162, 166, 112



98, 129, 167

Square

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



162, 166, 112



111, 138, 153



112, 136, 177



173, 133, 155

Rectangle

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



162, 166, 112



116, 149, 128



112, 136, 177



150, 139, 173

Sweetspot

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



162, 166, 112



217, 217, 195



166, 112, 138



110, 110, 96



237, 237, 237



110, 110, 110

Same Dimension

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



162, 166, 112



211, 217, 132



112, 166, 113



84, 84, 76



136, 148, 0



16, 20, 0

Inverse Universe

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



112, 130, 166



132, 160, 217



113, 112, 166



76, 79, 84



0, 48, 148



0, 7, 20

Previews

White Background



This preview shows how the RYB color 162, 166, 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 162, 166, 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 162, 166, 112 Background



This preview shows how black text looks on a background with the RYB color 162, 166, 112.



This preview shows how white text looks on a background with the RYB color 162, 166, 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
162, 166, 112

Protanopia
127, 154, 114

Deuteranopia
169, 163, 112



Tritanopia
170, 135, 146

Trichromacy



Original Color

162, 166, 112

Protanomaly

136, 158, 113

Deuteranomaly

168, 164, 112

Tritanomaly

169, 137, 134

Monochromacy



Original Color

162, 166, 112

Achromatopsia

145, 145, 145

Achromatomaly

153, 153, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 162, 166, 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(166, 140, 112)` looks like.

```
.text, #text, p{  
    color:rgb(166, 140, 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(166, 140, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 140, 112) }
```

Border

The CSS property to change the border of an element to RYB 162, 166, 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(166, 140, 112) }
```

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

```
.border{ border-color:rgb(166, 140, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 140, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 140, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 140, 112); box-shadow:4px 4px 4px 4px rgb(166, 140, 112) }
```

Background

The CSS property to change the background color of an element to RYB 162, 166, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 140, 112) }
```

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

```
.background{ background-color: rgb(166,  
140, 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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