

Converting Colors

`RYB(112, 172, 158)`

Have a look what the booklet for
RYB(112, 172, 158) contains.

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Color

R_YB(112, 172, 158)

Conversions

Conversions Part 1

Format	Color
Hex	7EAC70
RGB	126, 172, 112
RGB Percent	49%, 67%, 44%
CMY	0.5059, 0.3255, 0.5608
CMYK	0.27, 0.00, 0.35, 0.33
HSL	106°, 27%, 56%
HSV	106°, 35%, 67%
XYZ	26.2813, 35.1105, 20.7211
YIQ	151.4060, -8.1560, -28.4120

Conversions

Conversions Part 2

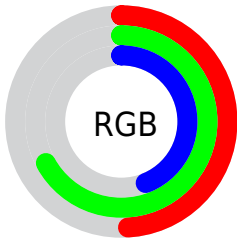
Format	Color
RYB	112, 172, 158
Decimal	8301680
CIELab	65.83, -26.99, 26.05
CIELCh	66, 37.517, 136.015
Yxy	35.1105, 0.3201, 0.4276
Android (android.graphics.Color)	4286491760 (0xFF7EAC70)
YUV	151.4060, -19.4272, -22.2811
Hunter-Lab	59.2541, -24.5236, 20.7443

Details

The RYB color **112, 172, 158** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **158, 112, 172**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **164, 228, 212**, and **63, 119, 107** is the 20% darker color. If you saturate the color by 10%, you get **95, 172, 154**, and if you desaturate by 10%, it is **129, 172, 162**.

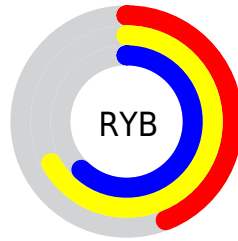
Distribution



Red (49%)

Green (67%)

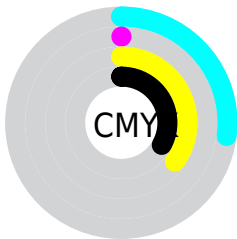
Blue (44%)



Red (44%)

Yellow (67%)

Blue (62%)

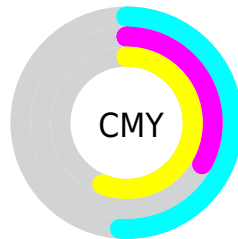


Cyan (27%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (51%)


Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 172, 158 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 112, 172, 158 by changing the saturation by 10% instead.

 112, 172, 158


255, 255, 255


 164, 228, 212


 192, 255, 239

 220, 255, 239

 248, 255, 248

 112, 172, 158

 87, 145, 132

 63, 119, 107


 40, 94, 84


 18, 70, 62

 0, 47, 44

 0, 29, 29


 0, 0, 0

 112, 172, 158


 95, 172, 154


 112, 172, 158


 129, 172, 162

 78, 172, 150


 146, 172, 166


 60, 172, 146

 164, 172, 170

 43, 172, 142

 179, 172, 181

 26, 172, 138


 192, 172, 198

 9, 172, 134

 205, 172, 215

 0, 172, 132

 218, 172, 232

 231, 172, 250

 245, 172, 255

Harmonies

Analogous

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



94, 164, 94



112, 172, 158



82, 140, 177

Triad

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



112, 172, 158



80, 135, 225



226, 134, 143

Complementary

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



112, 172, 158



158, 112, 172

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.



215, 135, 177



112, 172, 158



140, 154, 224

Square

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



112, 172, 158



0, 95, 207



186, 145, 207



218, 151, 113

Rectangle

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



112, 172, 158



45, 115, 178



186, 145, 207



224, 133, 154

Sweetspot

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



112, 172, 158



202, 224, 219



130, 172, 112



99, 112, 109



240, 240, 240



112, 112, 112

Same Dimension

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



112, 172, 158



130, 224, 202



112, 159, 172



78, 87, 85



0, 150, 115



0, 23, 18

Inverse Universe

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



158, 112, 172



202, 130, 224



172, 112, 156



85, 78, 87



115, 0, 150



18, 0, 23

Previews

White Background



This preview shows how the RYB color 112, 172, 158 looks on a white background.

Color Contrast Check

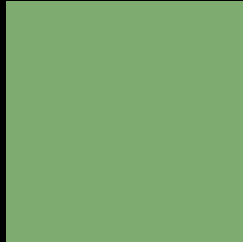
Large Text (above 18pt) WCAG AA × Fail

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 112, 172, 158 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 ✓ Pass

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

RYB 112, 172, 158 Background



This preview shows how black text looks on a background with the RYB color 112, 172, 158.



This preview shows how white text looks on a background with the RYB color 112, 172, 158.

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
112, 172, 158

Protanopia
125, 173, 107

Deuteranopia
187, 189, 116



Tritanopia
137, 153, 177

Trichromacy



Original Color
112, 172, 158

Protanomaly
109, 164, 117

Deuteranomaly
122, 166, 115

Tritanomaly
133, 154, 167

Monochromacy



Original Color
112, 172, 158

Achromatopsia
151, 151, 151

Achromatomaly
137, 159, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 172, 158 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(126, 172, 112)` looks like.

```
.text, #text, p{  
    color:rgb(126, 172, 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(126, 172, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 172, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 172, 158 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(126, 172, 112) }
```

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

```
.border{ border-color:rgb(126, 172, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 172, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 172, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 172, 112);  
box-shadow:4px 4px 4px 4px rgb(126, 172,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 172, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 172, 112) }
```

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

```
.background{ background-color: rgb(126,  
172, 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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