

Converting Colors

`RYB(112, 171, 160)`

Have a look what the booklet for
RYB(112, 171, 160) contains.

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Color

$\text{RYB}(112, 171, 160)$

Conversions

Conversions Part 1

Format	Color
Hex	7BAB70
RGB	123, 171, 112
RGB Percent	48%, 67%, 44%
CMY	0.5176, 0.3294, 0.5608
CMYK	0.28, 0.00, 0.35, 0.33
HSL	109°, 26%, 55%
HSV	109°, 35%, 67%
XYZ	25.6559, 34.5066, 20.6375
YIQ	149.9220, -9.6690, -28.5250

Conversions

Conversions Part 2

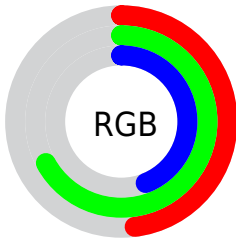
Format	Color
RYB	112, 171, 160
Decimal	8104816
CIELab	65.36, -27.56, 25.40
CIElCh	65, 37.480, 137.345
Yxy	34.5066, 0.3175, 0.4271
Android (android.graphics.Color)	4286294896 (0xFF7BAB70)
YUV	149.9220, -18.6955, -23.6106
Hunter-Lab	58.7423, -24.8386, 20.2898

Details

The RYB color **112, 171, 160** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **160, 112, 171**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **164, 227, 214**, and **63, 118, 109** is the 20% darker color. If you saturate the color by 10%, you get **95, 171, 157**, and if you desaturate by 10%, it is **129, 171, 163**.

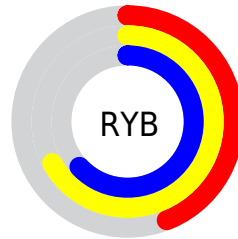
Distribution



Red (48%)

Green (67%)

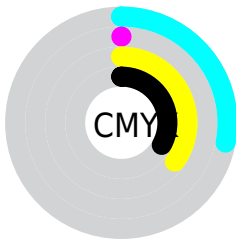
Blue (44%)



Red (44%)

Yellow (67%)

Blue (63%)

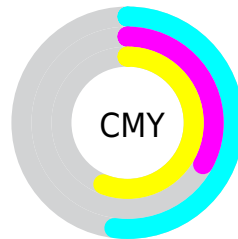


Cyan (28%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 171, 160 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, 171, 160 by changing the saturation by 10% instead.

 112, 171, 160


255, 255, 255


 164, 227, 214


 192, 255, 242

 219, 255, 241

 248, 255, 248

 112, 171, 160

 87, 144, 134

 63, 118, 109


 40, 93, 86


 18, 69, 65

 0, 47, 47

 0, 27, 27


 0, 0, 0

 112, 171, 160


 95, 171, 157


 112, 171, 160


 129, 171, 163

 78, 171, 154


 146, 171, 166

 61, 171, 151

 163, 171, 169


 44, 171, 148

 179, 171, 180


 26, 171, 144

 193, 171, 197

 9, 171, 140

 206, 171, 215

 0, 171, 139

 220, 171, 232

 234, 171, 249

 248, 171, 255

Harmonies

Analogous

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



93, 163, 95



112, 171, 160



78, 137, 176

Triad

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



112, 171, 160



82, 135, 224



224, 133, 140

Complementary

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



112, 171, 160



160, 112, 171

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, 134, 174



112, 171, 160



141, 153, 223

Square

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



112, 171, 160



0, 94, 207



187, 143, 204



216, 151, 111

Rectangle

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



112, 171, 160



41, 112, 177



187, 143, 204



223, 132, 152

Sweetspot

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



112, 171, 160



200, 222, 218



127, 171, 112



99, 112, 110



240, 240, 240



112, 112, 112

Same Dimension

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



112, 171, 160



131, 222, 205



112, 157, 171



78, 87, 85



0, 150, 122



0, 23, 19

Inverse Universe

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



160, 112, 171



205, 131, 222



171, 112, 153



85, 78, 87



122, 0, 150



19, 0, 23

Previews

White Background



This preview shows how the RYB color 112, 171, 160 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, 171, 160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

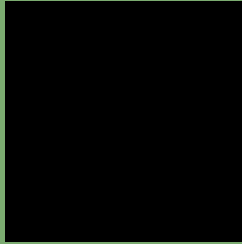
Any Text WCAG AA ✓ Pass

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, 171, 160 Background



This preview shows how black text looks on a background with the RYB color 112, 171, 160.



This preview shows how white text looks on a background with the RYB color 112, 171, 160.

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, 171, 160

Protanopia
123, 171, 107

Deuteranopia
185, 187, 116



Tritanopia
134, 151, 176

Trichromacy



Original Color
112, 171, 160

Protanomaly
109, 163, 118

Deuteranomaly
121, 164, 115

Tritanomaly
130, 152, 166

Monochromacy



Original Color
112, 171, 160

Achromatopsia
150, 150, 150

Achromatomaly
136, 158, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 171, 160 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(123, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(123, 171, 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(123, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 171, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 171, 160 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(123, 171, 112) }
```

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

```
.border{ border-color:rgb(123, 171, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(123, 171,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 171, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 171, 112) }
```

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

```
.background{ background-color: rgb(123,  
171, 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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