

Converting Colors

`RYB(107, 172, 168)`

Have a look what the booklet for
RYB(107, 172, 168) contains.

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Color

R_YB(107, 172, 168)

Conversions

Conversions Part 1

Format	Color
Hex	6FAC6B
RGB	111, 172, 107
RGB Percent	44%, 67%, 42%
CMY	0.5647, 0.3255, 0.5804
CMYK	0.35, 0.00, 0.38, 0.33
HSL	116°, 28%, 55%
HSV	116°, 38%, 67%
XYZ	23.9619, 33.9461, 19.1992
YIQ	146.3510, -15.4910, -33.1470

Conversions

Conversions Part 2

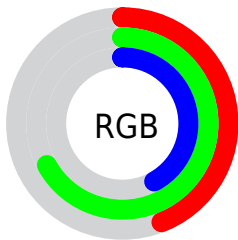
Format	Color
RYB	107, 172, 168
Decimal	7318635
CIELab	64.92, -32.93, 27.37
CIElCh	65, 42.816, 140.273
Yxy	33.9461, 0.3108, 0.4402
Android (android.graphics.Color)	4285508715 (0xFF6FAC6B)
YUV	146.3510, -19.4000, -31.0028
Hunter-Lab	58.2633, -28.5491, 21.2467

Details

The RYB color **107, 172, 168** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **168, 107, 172**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **159, 228, 222**, and **58, 119, 118** is the 20% darker color. If you saturate the color by 10%, you get **90, 172, 167**, and if you desaturate by 10%, it is **124, 172, 169**.

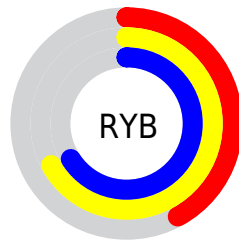
Distribution



Red (44%)

Green (67%)

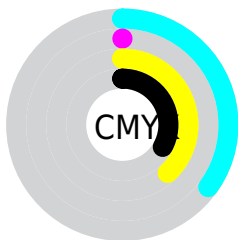
Blue (42%)



Red (42%)

Yellow (67%)

Blue (66%)

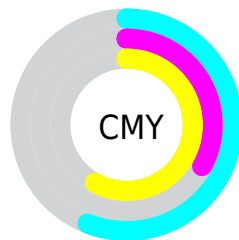


Cyan (35%)

Magenta (0%)

Yellow (38%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 172, 168 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 107, 172, 168 by changing the saturation by 10% instead.

 107, 172, 168

255, 255, 255


 159, 228, 222


 186, 255, 248

 214, 255, 248

 243, 255, 248

 107, 172, 168

 82, 145, 142

 58, 119, 118

 33, 91, 94


 0, 59, 70

 0, 47, 47

 0, 26, 26


 0, 0, 0


 107, 172, 168


 90, 172, 167


 107, 172, 168


 124, 172, 169


 73, 172, 166


 141, 172, 170

 55, 172, 164

 159, 172, 172

 38, 172, 164

 176, 172, 176

 21, 172, 163


 192, 172, 193

 4, 172, 162

 208, 172, 210

 0, 172, 161

 224, 172, 227

 240, 172, 245

 255, 172, 255

Harmonies

Analogous

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



84, 163, 92



107, 172, 168



49, 123, 177

Triad

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



107, 172, 168



65, 128, 232



231, 128, 133

Complementary

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



107, 172, 168



168, 107, 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.



223, 128, 172



107, 172, 168



142, 151, 229

Square

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



107, 172, 168



0, 96, 215



193, 138, 207



219, 154, 100

Rectangle

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



107, 172, 168



0, 90, 177



193, 138, 207



230, 126, 146

Sweetspot

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



107, 172, 168



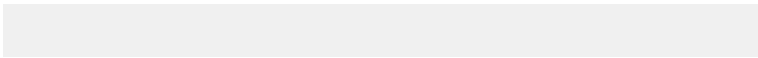
200, 224, 223



111, 172, 107



98, 112, 111



240, 240, 240



112, 112, 112

Same Dimension

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



107, 172, 168



123, 224, 217



107, 152, 172



78, 87, 86



0, 150, 141



0, 23, 22

Inverse Universe

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



168, 107, 172



218, 123, 224



172, 107, 144



86, 78, 87



141, 0, 150



22, 0, 23

Previews

White Background



This preview shows how the RYB color 107, 172, 168 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 107, 172, 168 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 107, 172, 168 Background



This preview shows how black text looks on a background with the RYB color 107, 172, 168.



This preview shows how white text looks on a background with the RYB color 107, 172, 168.

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
107, 172, 168

Protanopia
119, 171, 101

Deuteranopia
182, 186, 112



Tritanopia
124, 147, 177

Trichromacy



Original Color

107, 172, 168

Protanomaly

103, 162, 116

Deuteranomaly

111, 159, 110

Tritanomaly

119, 147, 167

Monochromacy



Original Color

107, 172, 168

Achromatopsia

146, 146, 146

Achromatomaly

132, 155, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 172, 168 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(111, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(111, 172, 107)  
}
```

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(111, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 172, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 172, 168 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(111, 172, 107) }
```

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

```
.border{ border-color:rgb(111, 172, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 172, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(111, 172,  
107) }
```

Background

The CSS property to change the background color of an element to RGB 107, 172, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 172, 107) }
```

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

```
.background{ background-color: rgb(111,  
172, 107) }
```

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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