

Converting Colors

`RYB(113, 172, 109)`

Have a look what the booklet for
RYB(113, 172, 109) contains.

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Color

R_YB(113, 172, 109)

Conversions

Conversions Part 1

Format	Color
Hex	ACA86D
RGB	172, 168, 109
RGB Percent	67%, 66%, 43%
CMY	0.3255, 0.3402, 0.5725
CMYK	0.00, 0.02, 0.37, 0.33
HSL	56°, 28%, 55%
HSV	56°, 37%, 67%
XYZ	33.8203, 37.9683, 20.0141
YIQ	162.4700, 21.3230, -17.5010

Conversions

Conversions Part 2

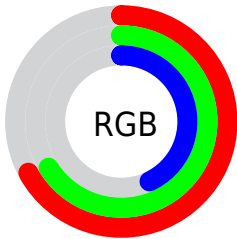
Format	Color
RYB	113, 172, 109
Decimal	11315309
CIELab	68.00, -7.75, 31.11
CIElCh	68, 32.057, 103.985
Yxy	37.9683, 0.3684, 0.4136
Android (android.graphics.Color)	4289505389 (0xFFACA86D)
YUV	162.4700, -26.3607, 8.3578
Hunter-Lab	61.6184, -9.8594, 23.8751

Details

The RYB color **113, 172, 109** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **109, 113, 172**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **166, 228, 161**, and **63, 119, 60** is the 20% darker color. If you saturate the color by 10%, you get **97, 172, 92**, and if you desaturate by 10%, it is **129, 172, 126**.

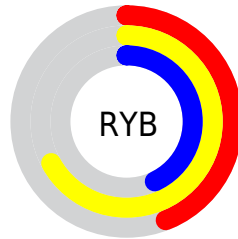
Distribution



Red (67%)

Green (66%)

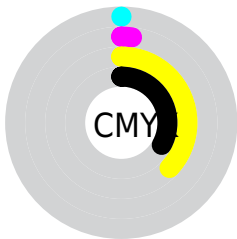
Blue (43%)



Red (44%)

Yellow (67%)

Blue (43%)

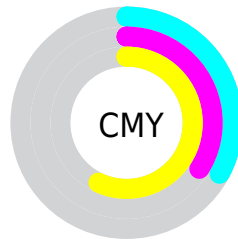


Cyan (0%)

Magenta (2%)

Yellow (37%)

Black (33%)



Cyan (33%)

Magenta (34%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 172, 109 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 113, 172, 109 by changing the saturation by 10% instead.

 113, 172, 109

255, 255, 255


 166, 228, 161

 191, 255, 188

 216, 255, 216


 245, 255, 245

 113, 172, 109

 87, 145, 84

 63, 119, 60

 38, 93, 37

 14, 68, 14

 0, 46, 0

 0, 26, 5

 0, 0, 0

 113, 172, 109

 97, 172, 92

 113, 172, 109

 129, 172, 126

■ 81, 172, 75

■ 145, 172, 143

■ 64, 172, 57

■ 162, 172, 161

■ 49, 172, 40

■ 172, 172, 178

■ 33, 172, 23

■ 172, 173, 195

■ 17, 172, 6

■ 172, 174, 212

■ 11, 172, 0

■ 172, 175, 229

■ 172, 176, 247

■ 172, 177, 255

Harmonies

Analogous

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



183, 199, 110



113, 172, 109



123, 176, 159

Triad

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



113, 172, 109



69, 130, 205



213, 146, 182

Complementary

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



113, 172, 109



109, 113, 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.



186, 153, 208



113, 172, 109



103, 147, 221

Square

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



113, 172, 109



74, 129, 182



147, 161, 222



223, 144, 153

Rectangle

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



113, 172, 109



117, 163, 179



147, 161, 222



206, 148, 192

Sweetspot

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



113, 172, 109



201, 224, 200



172, 109, 113



99, 112, 98



240, 240, 240



112, 112, 112

Same Dimension

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



113, 172, 109



131, 224, 126



109, 172, 136



79, 87, 78



10, 150, 0



1, 23, 0

Inverse Universe

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



109, 113, 172



126, 132, 224



136, 109, 172



78, 79, 87



0, 8, 150



0, 1, 23

Previews

White Background



This preview shows how the RYB color 113, 172, 109 looks on a white background.

Color Contrast Check

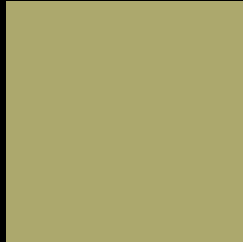
Large Text (above 18pt) WCAG AA × Fail

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 113, 172, 109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

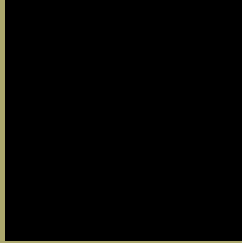
Any Text WCAG AA ✓ Pass

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](#).

R Y B 113, 172, 109 Background



This preview shows how black text looks on a background with the RYB color 113, 172, 109.



This preview shows how white text looks on a background with the RYB color 113, 172, 109.

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
113, 172, 109

Protanopia
125, 180, 108

Deuteranopia
185, 198, 111



Tritanopia
179, 160, 173

Trichromacy



Original Color
113, 172, 109

Protanomaly
120, 177, 108

Deuteranomaly
151, 189, 110

Tritanomaly
176, 176, 150

Monochromacy



Original Color
113, 172, 109

Achromatopsia
163, 163, 163

Achromatomaly
144, 166, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 172, 109 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(172, 168, 109) looks like.

```
.text, #text, p{  
    color:rgb(172, 168, 109)  
}
```

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(172, 168, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 168, 109) }
```

Border

The CSS property to change the border of an element to RYB 113, 172, 109 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(172, 168, 109) }
```

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

```
.border{ border-color:rgb(172, 168, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 168, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 168, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 168, 109);  
box-shadow:4px 4px 4px 4px rgb(172, 168,  
109) }
```

Background

The CSS property to change the background color of an element to RYB 113, 172, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 168, 109) }
```

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

```
.background{ background-color: rgb(172,  
168, 109) }
```

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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