

Converting Colors

`RYB(163, 172, 163)`

Have a look what the booklet for
RYB(163, 172, 163) contains.

RYB(163, 172, 163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(163, 172, 163)

Conversions

Conversions Part 1

Format	Color
Hex	ACACA3
RGB	172, 172, 163
RGB Percent	67%, 67%, 64%
CMY	0.3255, 0.3255, 0.3608
CMYK	0.00, 0.00, 0.05, 0.33
HSL	60°, 5%, 66%
HSV	60°, 5%, 67%
XYZ	38.3766, 40.9200, 40.5260
YIQ	170.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

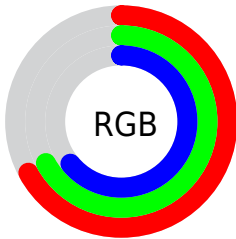
Format	Color
RYB	163, 172, 163
Decimal	11316387
CIELab	70.12, -1.65, 4.62
CIELCh	70, 4.904, 109.673
Yxy	40.9200, 0.3203, 0.3415
Android (android.graphics.Color)	4289506467 (0xFFACACA3)
YUV	170.9740, -3.9312, 0.8998
Hunter-Lab	63.9688, -4.8583, 7.2163

Details

The RYB color **163, 172, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **163, 163, 172**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **218, 227, 218**, and **111, 120, 111** is the 20% darker color. If you saturate the color by 10%, you get **146, 172, 146**, and if you desaturate by 10%, it is **172, 172, 180**.

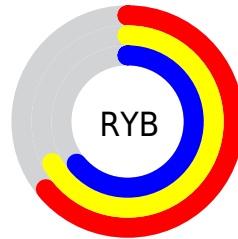
Distribution



Red (67%)

Green (67%)

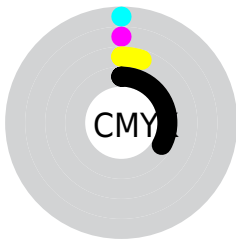
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

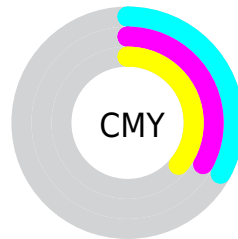


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 172, 163 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 163, 172, 163 by changing the saturation by 10% instead.

 163, 172, 163


255, 255, 255

 218, 227, 218

 246, 255, 246

 163, 172, 163


 137, 145, 137

 111, 120, 111

 87, 95, 87

 64, 71, 64


 42, 49, 42

 21, 28, 21

 0, 1, 1

 0, 0, 0

 163, 172, 163

 163, 172, 163

■ 146, 172, 146

■ 172, 172, 180

■ 129, 172, 129

■ 172, 172, 197

■ 111, 172, 111

■ 172, 172, 215

■ 94, 172, 94

■ 172, 172, 232

■ 77, 172, 77

■ 172, 172, 249

■ 60, 172, 60

■ 172, 172, 255

■ 43, 172, 43

■ 25, 172, 25

■ 8, 172, 8

Harmonies

Analogous

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



174, 177, 163



163, 172, 163



166, 173, 172

Triad

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



163, 172, 163



162, 169, 178



180, 169, 173

Complementary

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



163, 172, 163



163, 163, 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.



176, 169, 177



163, 172, 163



165, 170, 180

Square

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



163, 172, 163



161, 168, 174



171, 171, 180



181, 169, 169

Rectangle

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



163, 172, 163



164, 171, 174



171, 171, 180



179, 169, 175

Sweetspot

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



163, 172, 163



220, 224, 220



172, 163, 163



110, 112, 110



240, 240, 240



112, 112, 112

Same Dimension

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



163, 172, 163



211, 224, 211



163, 172, 167



81, 87, 81



0, 150, 0



0, 23, 0

Inverse Universe

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



163, 163, 172



211, 211, 224



168, 163, 172



81, 81, 87



0, 0, 150



0, 0, 23

Previews

White Background



This preview shows how the RYB color 163, 172, 163 looks on a white background.

Color Contrast Check

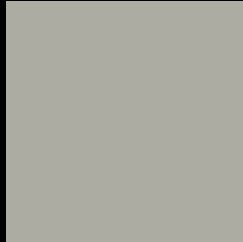
Large Text (above 18pt) WCAG AA × Fail

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 163, 172, 163 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 163, 172, 163 Background



This preview shows how black text looks on a background with the RYB color 163, 172, 163.



This preview shows how white text looks on a background with the RYB color 163, 172, 163.

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


163, 172, 163

Protanopia

170, 176, 162

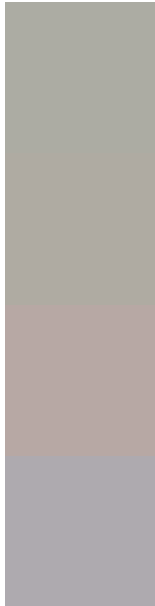
Deuteranopia

190, 166, 164



Tritanopia
175, 169, 182

Trichromacy



Original Color

163, 172, 163

Protanomaly

168, 175, 162

Deuteranomaly

183, 169, 164

Tritanomaly

174, 170, 175

Monochromacy



Original Color

163, 172, 163

Achromatopsia

171, 171, 171

Achromatomaly

168, 171, 168

CSS Examples

Text

The CSS property to change the color of the text to RGB 163, 172, 163 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, 172, 163) looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 163)  
}
```

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, 172, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 163) }
```

Border

The CSS property to change the border of an element to RYB 163, 172, 163 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, 172, 163) }
```

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

```
.border{ border-color:rgb(172, 172, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 163);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 163, 172, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 163) }
```

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

```
.background{ background-color: rgb(172,  
172, 163) }
```

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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