Converting Colors

RYB(170, 170, 172)

Have a look what the booklet for RYB(170, 170, 172) contains.

RYB(170, 170, 172) 3
Conversions 4
Details 6
Harmonies 11
Previews 22
Color Blindness Simulation 25
CSS Examples 28

Color

RYB(170, 170, 172)

Conversions

Conversions Part 1

Format	Color
Hex	AAAAAC
RGB	170, 170, 172
RGB Percent	67%, 67%, 67%
CMY	0.3333, 0.3333, 0.3255
CMYK	0.01, 0.01, 0.00, 0.33
HSL	240°, 1%, 67%
HSV	240°, 1%, 67%
XYZ	38.3987, 40.2741, 44.7796
YIQ	170.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

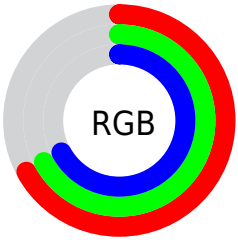
Format	Color
RYB	170, 170, 172
Decimal	11184812
CIELab	69.66, 0.38, -1.03
CIELCh	70, 1.103, 290.340
Yxy	40.2741, 0.3110, 0.3262
Android (android.graphics.Color)	4289374892 (0xFFAAAAAC)
YUV	170.2280, 0.8736, -0.2000
Hunter-Lab	63.4618, -3.0537, 2.5874

Details

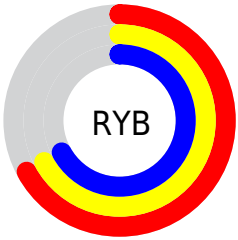
The RYB color 170, 170, 172 is a light color, and the websafe version is hex 999999. A complement of this color would be 170, 172, 170, and the grayscale version is 170, 170, 170.

A 20% lighter version of the original color is 225, 225, 227, and 118, 118, 120 is the 20% darker color. If you saturate the color by 10%, you get 153, 153, 172, and if you desaturate by 10%, it is 172, 187, 172.

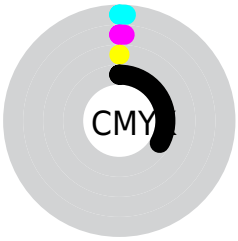
Distribution



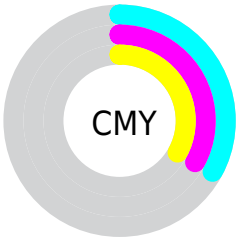
- Red (67%)
- Green (67%)
- Blue (67%)



- Red (67%)
- Yellow (67%)
- Blue (67%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 170, 172 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 170, 170, 172 by changing the saturation by 10% instead.

170, 170, 172

255, 255, 255

225, 225, 227

254, 254, 255

170, 170, 172

144, 144, 145

118, 118, 120

93, 93, 95

70, 70, 71

47, 47, 49

27, 27, 28

0, 0, 1

0, 0, 0

170, 170, 172

170, 170, 172

153, 153, 172

136, 136, 172

118, 118, 172

101, 101, 172

84, 84, 172

67, 67, 172

50, 50, 172

32, 32, 172

15, 15, 172

172, 187, 172

172, 204, 172

172, 222, 172

172, 239, 172

172, 255, 172

Harmonies

Analogous

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

169, 170, 172

170, 170, 172

171, 170, 171

Triad

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

170, 170, 172

172, 171, 169

168, 170, 171

Complementary

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

170, 170, 172

170, 172, 170

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.

169, 171, 171

170, 170, 172

170, 171, 168

Square

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

170, 170, 172

172, 171, 169

168, 170, 168

168, 170, 171

Rectangle

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

170, 170, 172

172, 170, 171

168, 170, 168

168, 170, 171

Sweetspot

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

170, 170, 172

224, 224, 224

170, 171, 172

112, 112, 112

240, 240, 240

Same Dimension

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

170, 170, 172

222, 222, 224

171, 170, 172

86, 86, 87

0, 0, 150

0, 0, 23

Inverse Universe

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

172, 170, 172

224, 222, 224

170, 172, 171

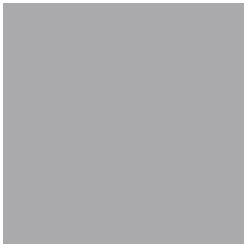
87, 86, 87

150, 0, 150

23, 0, 23

Previews

White Background

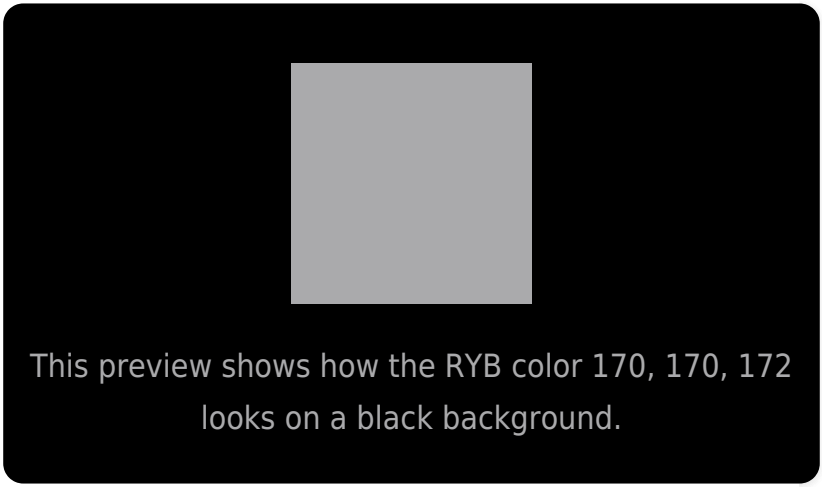


This preview shows how the RYB color 170, 170, 172 looks on a white background.

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



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 170, 170, 172 Background

This preview shows how black text looks on a background with the RYB color 170, 170, 172.

This preview shows how white text looks on a background with the RYB color 170, 170, 172.

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
170, 170, 172

Protanopia
173, 169, 172

Deuteranopia
185, 165, 173

Tritanopia
172, 168, 182

Trichromacy

Original Color
170, 170, 172

Protanomaly
172, 169, 172

Deuteranomaly
180, 167, 173

Tritanomaly
171, 169, 178

Monochromacy

Original Color
170, 170, 172

Achromatopsia
170, 170, 170

Achromatomaly
170, 170, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 170, 172 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(170, 170, 172) looks like.

```
.text, #text, p{
    color:rgb(170, 170, 172)
}
```

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(170, 170, 172) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(170, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 172) }
```

Border

The CSS property to change the border of an element to RYB 170, 170, 172 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(170, 170, 172) }
```

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

```
.border{ border-color:rgb(170, 170, 172) }
```

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

Here you see how a box with a 4 pixel rgb(170, 170, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 170, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 170, 172); box-shadow:4px 4px 4px 4px rgb(170, 170, 172) }
```

Background

The CSS property to change the background color of an element to RYB 170, 170, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(170, 170, 172) }
```

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

```
.background{ background-color:rgb(170, 170, 172) }
```

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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