

Converting Colors

`RYB(120, 170, 120)`

Have a look what the booklet for
RYB(120, 170, 120) contains.

RYB(120, 170, 120)	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(120, 170, 120)

Conversions

Conversions Part 1

Format	Color
Hex	AAAA78
RGB	170, 170, 120
RGB Percent	67%, 67%, 47%
CMY	0.3333, 0.3333, 0.5294
CMYK	0.00, 0.00, 0.29, 0.33
HSL	60°, 23%, 57%
HSV	60°, 29%, 67%
XYZ	34.3425, 38.6516, 23.4198
YIQ	164.3000, 16.0500, -15.5500

Conversions

Conversions Part 2

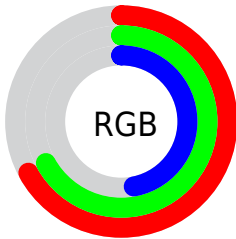
Format	Color
RYB	120, 170, 120
Decimal	11184760
CIELab	68.50, -8.09, 25.85
CIELCh	68, 27.092, 107.379
Yxy	38.6516, 0.3562, 0.4009
Android (android.graphics.Color)	4289374840 (0xFFAAAA78)
YUV	164.3000, -21.8399, 4.9989
Hunter-Lab	62.1704, -10.1961, 21.1846

Details

The RYB color **120, 170, 120** is a light color, and the websafe version is hex **999966**. A complement of this color would be **120, 120, 170**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **174, 226, 173**, and **71, 118, 72** is the 20% darker color. If you saturate the color by 10%, you get **103, 170, 103**, and if you desaturate by 10%, it is **137, 170, 137**.

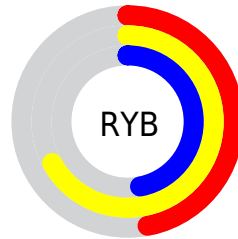
Distribution



Red (67%)

Green (67%)

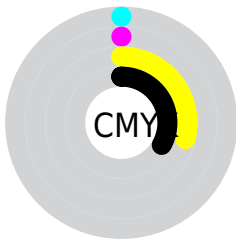
Blue (47%)



Red (47%)

Yellow (67%)

Blue (47%)

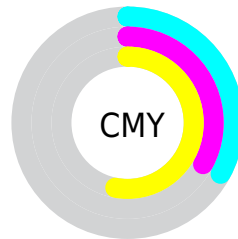


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 170, 120 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 120, 170, 120 by changing the saturation by 10% instead.


 120, 170, 120

255, 255, 255


 174, 226, 173


 201, 255, 200

 228, 255, 228


 120, 170, 120

 95, 144, 96

 71, 118, 72

 48, 93, 49

 26, 70, 28


 1, 48, 4


 0, 27, 5

 0, 0, 0

 120, 170, 120

 103, 170, 103

 120, 170, 120

 137, 170, 137

86, 170, 86

154, 170, 154

69, 170, 69

170, 170, 171

52, 170, 52

170, 170, 188

35, 170, 35

170, 170, 205

18, 170, 18

170, 170, 222

1, 170, 1

170, 170, 239

0, 170, 0

170, 170, 255

Harmonies

Analogous

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



176, 194, 120



120, 170, 120



133, 176, 167

Triad

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



120, 170, 120



96, 142, 202



209, 150, 178

Complementary

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



120, 170, 120



120, 120, 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.



188, 156, 200



120, 170, 120



122, 154, 214

Square

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



120, 170, 120



95, 138, 181



157, 163, 214



217, 149, 154

Rectangle

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



120, 170, 120



123, 162, 179



157, 163, 214



204, 152, 186

Sweetspot

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



120, 170, 120



202, 222, 202



170, 120, 120



100, 112, 100



240, 240, 240



112, 112, 112

Same Dimension

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



120, 170, 120



144, 222, 144



120, 170, 145



76, 84, 76



0, 148, 0



0, 20, 0

Inverse Universe

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



120, 120, 170



144, 144, 222



145, 120, 170



76, 76, 84



0, 0, 148



0, 0, 20

Previews

White Background



This preview shows how the RYB color 120, 170, 120 looks on a white background.

Color Contrast Check

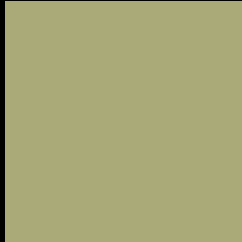
Large Text (above 18pt) WCAG AA × Fail

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 120, 170, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

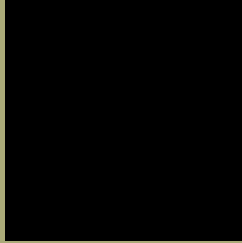
Any Text WCAG AA ✓ Pass

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 120, 170, 120 Background



This preview shows how black text looks on a background with the RYB color 120, 170, 120.



This preview shows how white text looks on a background with the RYB color 120, 170, 120.

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
120, 170, 120

Protanopia
136, 180, 119

Deuteranopia
198, 198, 122



Tritanopia
177, 163, 176

Trichromacy



Original Color

120, 170, 120

Protanomaly

128, 176, 119

Deuteranomaly

158, 188, 121

Tritanomaly

170, 174, 156

Monochromacy



Original Color

120, 170, 120

Achromatopsia

164, 164, 164

Achromatomaly

148, 166, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 170, 120 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 170, 120 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, 120) }
```

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

```
.border{ border-color:rgb(170, 170, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 170, 120 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, 120) }
```

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

```
.background{ background-color: rgb(170,  
170, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor