

Converting Colors

`RYB(120, 175, 140)`

Have a look what the booklet for
RYB(120, 175, 140) contains.

RYB(120, 175, 140)	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

$\text{RYB}(120, 175, 140)$

Conversions

Conversions Part 1

Format	Color
Hex	9BAF78
RGB	155, 175, 120
RGB Percent	61%, 69%, 47%
CMY	0.3922, 0.3137, 0.5294
CMYK	0.11, 0.00, 0.31, 0.31
HSL	82°, 26%, 58%
HSV	82°, 31%, 69%
XYZ	32.2377, 38.9846, 23.5950
YIQ	162.7500, 5.7350, -21.3450

Conversions

Conversions Part 2

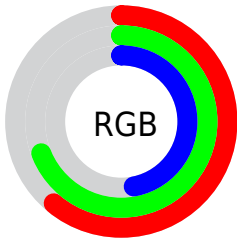
Format	Color
RYB	120, 175, 140
Decimal	10203000
CIELab	68.74, -16.56, 25.97
CIELCh	69, 30.806, 122.527
Yxy	38.9846, 0.3400, 0.4112
Android (android.graphics.Color)	4288393080 (0xFF9BAF78)
YUV	162.7500, -21.0757, -6.7968
Hunter-Lab	62.4376, -17.1030, 21.3008

Details

The RYB color **120, 175, 140** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **140, 120, 175**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **173, 231, 194**, and **71, 123, 91** is the 20% darker color. If you saturate the color by 10%, you get **102, 175, 128**, and if you desaturate by 10%, it is **138, 175, 152**.

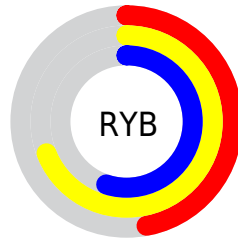
Distribution



Red (61%)

Green (69%)

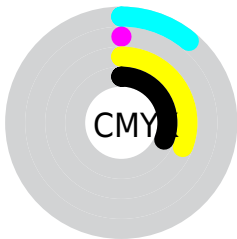
Blue (47%)



Red (47%)

Yellow (69%)

Blue (55%)

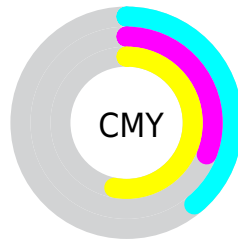


Cyan (11%)

Magenta (0%)

Yellow (31%)

Black (31%)



Cyan (39%)


Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 175, 140 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, 175, 140 by changing the saturation by 10% instead.


 120, 175, 140


255, 255, 255


 173, 231, 194

 200, 255, 216

 228, 255, 228

 120, 175, 140


 95, 148, 114

 71, 123, 91

 48, 98, 68


 25, 74, 44


 1, 51, 20


 0, 30, 24

 0, 0, 0

 120, 175, 140

 102, 175, 128

 120, 175, 140

 138, 175, 152

■ 85, 175, 118

■ 155, 175, 162

■ 68, 175, 107

■ 173, 175, 174

■ 50, 175, 95

■ 180, 175, 190

■ 33, 175, 85

■ 187, 175, 208

■ 15, 175, 73

■ 193, 175, 225

■ 0, 175, 64

■ 200, 175, 243

■ 206, 175, 255

■ 212, 175, 255

Harmonies

Analogous

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



136, 185, 112



120, 175, 140



122, 167, 181

Triad

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



120, 175, 140



94, 143, 216



221, 147, 166

Complementary

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



120, 175, 140



140, 120, 175

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.



205, 151, 194



120, 175, 140



134, 160, 223

Square

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



120, 175, 140



75, 132, 197



175, 160, 215



222, 150, 139

Rectangle

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



120, 175, 140



101, 149, 183



175, 160, 215



218, 147, 176

Sweetspot

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



120, 175, 140



207, 227, 214



175, 149, 120



102, 115, 107



242, 242, 242



115, 115, 115

Same Dimension

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



120, 175, 140



141, 227, 172



120, 175, 167



78, 87, 81



0, 150, 54



0, 23, 8

Inverse Universe

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



140, 120, 175



172, 141, 227



167, 120, 175



81, 78, 87



55, 0, 150



8, 0, 23

Previews

White Background



This preview shows how the RYB color 120, 175, 140 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, 175, 140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

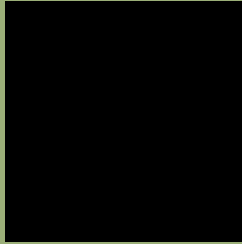
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

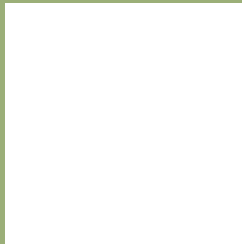
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 120, 175, 140 Background



This preview shows how black text looks on a background with the RYB color 120, 175, 140.

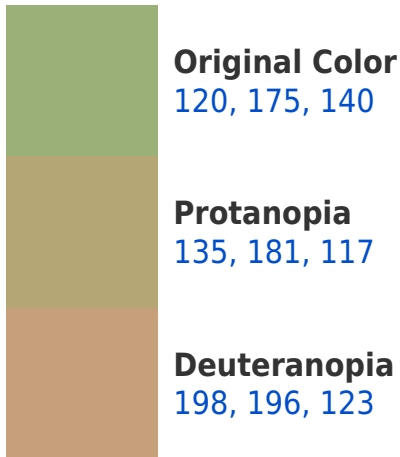


This preview shows how white text looks on a background with the RYB color 120, 175, 140.

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





Tritanopia
163, 166, 181

Trichromacy



Original Color
120, 175, 140

Protanomaly
120, 172, 118

Deuteranomaly
146, 182, 122

Tritanomaly
159, 170, 169

Monochromacy



Original Color
120, 175, 140

Achromatopsia
163, 163, 163

Achromatomaly
147, 167, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 175, 140 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(155, 175, 120)` looks like.

```
.text, #text, p{  
    color:rgb(155, 175, 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(155, 175, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 175, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 175, 140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

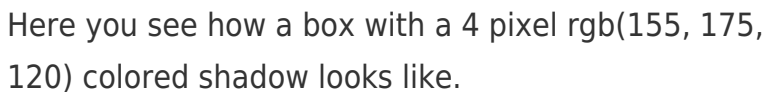
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 175, 120) }
```

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

```
.border{ border-color:rgb(155, 175, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 175, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 175, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 175, 120); box-shadow:4px 4px 4px 4px rgb(155, 175, 120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 175, 140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 175, 120) }
```

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

```
.background{ background-color: rgb(155,  
175, 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