

Converting Colors

`RYB(120, 182, 172)`

Have a look what the booklet for
RYB(120, 182, 172) contains.

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Color

R_YB(120, 182, 172)

Conversions

Conversions Part 1

Format	Color
Hex	82B678
RGB	130, 182, 120
RGB Percent	51%, 71%, 47%
CMY	0.4902, 0.2863, 0.5294
CMYK	0.29, 0.00, 0.34, 0.29
HSL	110°, 30%, 59%
HSV	110°, 34%, 71%
XYZ	29.3240, 39.5578, 23.8592
YIQ	159.3840, -11.0900, -30.3060

Conversions

Conversions Part 2

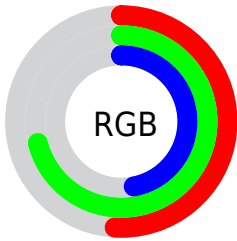
Format	Color
RYB	120, 182, 172
Decimal	8566392
CIELab	69.15, -29.18, 26.24
CIELCh	69, 39.246, 138.041
Yxy	39.5578, 0.3162, 0.4265
Android (android.graphics.Color)	4286756472 (0xFF82B678)
YUV	159.3840, -19.4163, -25.7698
Hunter-Lab	62.8950, -26.8427, 21.5349

Details

The RYB color **120, 182, 172** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **172, 120, 182**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **173, 238, 227**, and **71, 129, 122** is the 20% darker color. If you saturate the color by 10%, you get **102, 182, 169**, and if you desaturate by 10%, it is **138, 182, 175**.

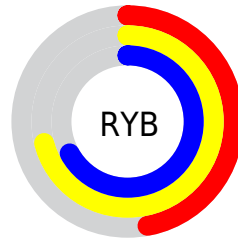
Distribution



Red (51%)

Green (71%)

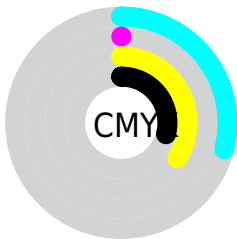
Blue (47%)



Red (47%)

Yellow (71%)

Blue (67%)

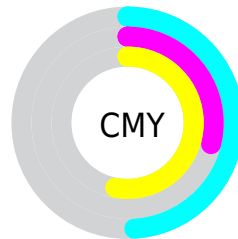


Cyan (29%)

Magenta (0%)

Yellow (34%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 182, 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 120, 182, 172 by changing the saturation by 10% instead.

 120, 182, 172


255, 255, 255


 173, 238, 227

 200, 255, 243


 229, 255, 243

 120, 182, 172

 95, 155, 146

 71, 129, 122

 47, 103, 97

 25, 79, 76

 0, 56, 56

 0, 35, 35


 0, 0, 0

 120, 182, 172


 102, 182, 169

 120, 182, 172


 138, 182, 175


 84, 182, 167


 156, 182, 177


 65, 182, 163


 175, 182, 181


 47, 182, 160

 191, 182, 193

 29, 182, 157


 206, 182, 211

 11, 182, 155

 222, 182, 229

 0, 182, 153

 237, 182, 247

 252, 182, 255

 255, 182, 255

Harmonies

Analogous

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



100, 173, 103



120, 182, 172



83, 145, 187

Triad

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



120, 182, 172



89, 144, 238



238, 142, 149

Complementary

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



120, 182, 172



172, 120, 182

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.



229, 142, 185



120, 182, 172



152, 163, 236

Square

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



120, 182, 172



0, 100, 221



199, 152, 217



229, 164, 117

Rectangle

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



120, 182, 172



42, 118, 188



199, 152, 217



237, 141, 160

Sweetspot

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



120, 182, 172



213, 237, 233



132, 182, 120



105, 120, 117



247, 247, 247



120, 120, 120

Same Dimension

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



120, 182, 172



140, 237, 221



120, 166, 182



83, 92, 91



0, 156, 131



0, 28, 23

Inverse Universe

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



172, 120, 182



221, 140, 237



182, 120, 161



90, 83, 92



130, 0, 156



24, 0, 28

Previews

White Background



This preview shows how the RYB color 120, 182, 172 looks on a white background.

Color Contrast Check

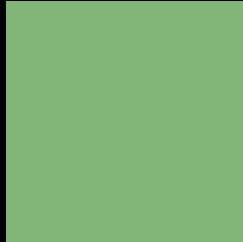
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 120, 182, 172 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, 182, 172 Background



This preview shows how black text looks on a background with the RYB color 120, 182, 172.

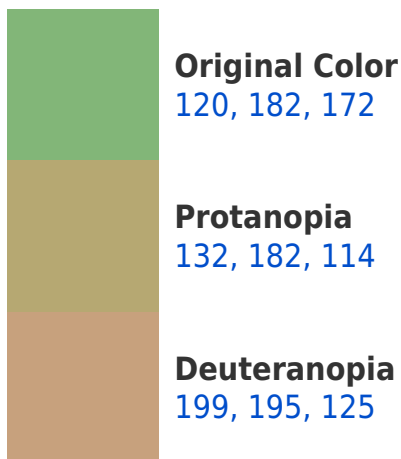


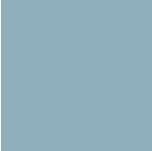
This preview shows how white text looks on a background with the RYB color 120, 182, 172.

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





Tritanopia
142, 161, 187

Trichromacy



Original Color

120, 182, 172

Protanomaly

116, 173, 126

Deuteranomaly

129, 174, 123

Tritanomaly

138, 162, 177

Monochromacy



Original Color

120, 182, 172

Achromatopsia

159, 159, 159

Achromatomaly

145, 167, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 182, 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(130, 182, 120)` looks like.

```
.text, #text, p{  
    color:rgb(130, 182, 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(130, 182, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 182, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 182, 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(130, 182, 120) }
```

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

```
.border{ border-color:rgb(130, 182, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 182, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 182, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 182, 120);  
box-shadow:4px 4px 4px 4px rgb(130, 182,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 182, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 182, 120) }
```

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

```
.background{ background-color: rgb(130,  
182, 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](#).

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