

Converting Colors

`RYB(81, 119, 120)`

Have a look what the booklet for
RYB(81, 119, 120) contains.

RYB(81, 119, 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

$\text{RYB}(81, 119, 120)$

Conversions

Conversions Part 1

Format	Color
Hex	517852
RGB	81, 120, 82
RGB Percent	32%, 47%, 32%
CMY	0.6824, 0.5294, 0.6783
CMYK	0.33, 0.00, 0.32, 0.53
HSL	122°, 19%, 39%
HSV	122°, 32%, 47%
XYZ	11.6338, 15.7919, 10.4229
YIQ	104.0070, -11.0460, -20.0860

Conversions

Conversions Part 2

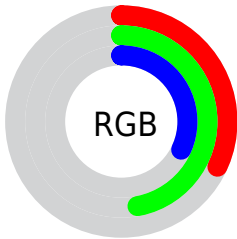
Format	Color
RYB	81, 119, 120
Decimal	5339218
CIELab	46.70, -22.00, 16.61
CIElCh	47, 27.572, 142.946
Yxy	15.7919, 0.3074, 0.4172
Android (android.graphics.Color)	4283529298 (0xFF517852)
YUV	104.0070, -10.8495, -20.1771
Hunter-Lab	39.7390, -17.2864, 12.2665

Details

The RYB color **81, 119, 120** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **120, 81, 119**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **132, 173, 173**, and **34, 68, 71** is the 20% darker color. If you saturate the color by 10%, you get **69, 119, 120**, and if you desaturate by 10%, it is **93, 119, 120**.

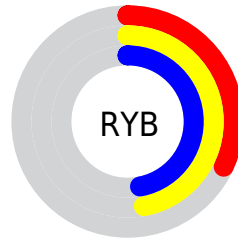
Distribution



Red (32%)

Green (47%)

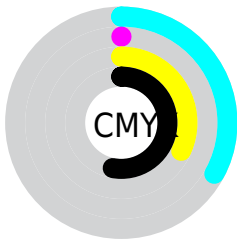
Blue (32%)



Red (32%)

Yellow (47%)

Blue (47%)

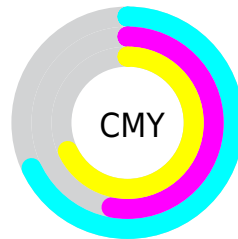


Cyan (33%)

Magenta (0%)

Yellow (32%)

Black (53%)



Cyan (68%)

Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 119, 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 81, 119, 120 by changing the saturation by 10% instead.



81, 119, 120



81, 119, 120

255, 255, 255



57, 93, 95



132, 173, 173



34, 68, 71



158, 200, 200



9, 42, 48



185, 228, 228



0, 29, 29



213, 255, 255



0, 0, 0



241, 255, 254



81, 119, 120



81, 119, 120



69, 119, 120



93, 119, 120



57, 118, 120



105, 120, 120

■ 45, 118, 120

■ 117, 120, 120

■ 33, 118, 120

■ 129, 120, 129

■ 21, 117, 120

■ 141, 120, 140

■ 9, 117, 120

■ 153, 120, 152

■ 0, 117, 120

■ 165, 120, 164

■ 177, 120, 175

■ 189, 120, 187

Harmonies

Analogous

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



67, 115, 74



81, 119, 120



50, 92, 123

Triad

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



81, 119, 120



67, 98, 156



156, 94, 94

Complementary

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



81, 119, 120



120, 81, 119

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.



152, 93, 117



81, 119, 120



105, 107, 153

Square

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



81, 119, 120



25, 78, 147



135, 98, 139



148, 111, 75

Rectangle

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



81, 119, 120



27, 76, 123



135, 98, 139



156, 93, 101

Sweetspot

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



81, 119, 120



140, 156, 156



81, 120, 82



70, 79, 79



207, 207, 207



79, 79, 79

Same Dimension

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



81, 119, 120



95, 155, 156



81, 107, 120



55, 61, 61



0, 122, 125



0, 245, 252

Inverse Universe

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



120, 81, 119



156, 95, 154



120, 81, 100



61, 55, 61



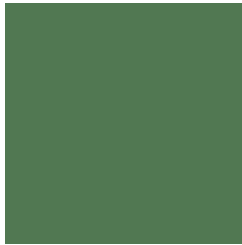
125, 0, 122



252, 0, 246

Previews

White Background



This preview shows how the RYB color 81, 119, 120 looks on a white 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 × Fail

Black Background



This preview shows how the RYB color 81, 119, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

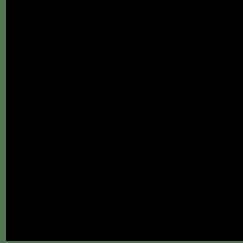
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 81, 119, 120 Background



This preview shows how black text looks on a background with the R Y B color 81, 119, 120.



This preview shows how white text looks on a background with the R Y B color 81, 119, 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

81, 119, 120

Protanopia

90, 119, 78

Deuteranopia

129, 125, 85



Tritanopia

89, 104, 124

Trichromacy



Original Color

81, 119, 120

Protanomaly

79, 114, 88

Deuteranomaly

85, 112, 84

Tritanomaly

86, 104, 117

Monochromacy



Original Color

81, 119, 120

Achromatopsia

104, 104, 104

Achromatomaly

96, 110, 110

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 119, 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(81, 120, 82)` looks like.

```
.text, #text, p{  
    color:rgb(81, 120, 82)  
}
```

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(81, 120, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 120, 82) }
```

Border

The CSS property to change the border of an element to RYB 81, 119, 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(81, 120, 82) }
```

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

```
.border{ border-color:rgb(81, 120, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 120, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 120, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 120, 82);  
box-shadow:4px 4px 4px 4px rgb(81, 120,  
82) }
```

Background

The CSS property to change the background color of an element to RGB 81, 119, 120 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 120, 82) }
```

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

```
.background{ background-color: rgb(81, 120,  
82) }
```

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