

Converting Colors

`RYB(120, 81, 107)`

Have a look what the booklet for
RYB(120, 81, 107) contains.

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Color

R_YB(120, 81, 107)

Conversions

Conversions Part 1

Format	Color
Hex	78516B
RGB	120, 81, 107
RGB Percent	47%, 32%, 42%
CMY	0.5294, 0.6824, 0.5804
CMYK	0.00, 0.33, 0.11, 0.53
HSL	320°, 19%, 39%
HSV	320°, 32%, 47%
XYZ	13.3420, 10.9395, 15.3182
YIQ	95.6250, 14.8980, 16.3540

Conversions

Conversions Part 2

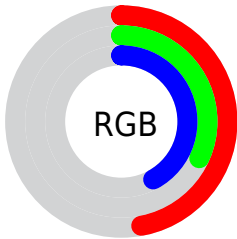
Format	Color
R_{YB}	120, 81, 107
Decimal	7885163
CIE _{Lab}	39.48, 20.72, -8.37
CIE _{LCh}	39, 22.349, 338.015
Yxy	10.9395, 0.3369, 0.2763
Android (android.graphics.Color)	4286075243 (0xFF78516B)
YUV	95.6250, 5.6079, 21.3769
Hunter-Lab	33.0749, 14.1237, -4.3071

Details

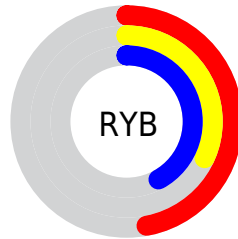
The RYB color **120, 81, 107** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **81, 110, 120**, and the grayscale version is **96, 96, 96**.

A 20% lighter version of the original color is **173, 131, 158**, and **71, 35, 60** is the 20% darker color. If you saturate the color by 10%, you get **120, 69, 103**, and if you desaturate by 10%, it is **120, 93, 111**.

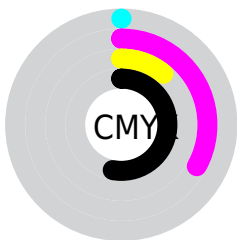
Distribution



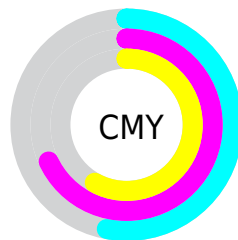
- Red (47%)
- Green (32%)
- Blue (42%)



- Red (47%)
- Yellow (32%)
- Blue (42%)



- Cyan (0%)
- Magenta (33%)
- Yellow (11%)
- Black (53%)



- Cyan (53%)
- Magenta (68%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 81, 107 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, 81, 107 by changing the saturation by 10% instead.

 120, 81, 107  120, 81, 107

255, 255, 255  95, 58, 83

 173, 131, 158  71, 35, 60

 201, 157, 185  47, 14, 38

 229, 184, 213  29, 0, 17

 255, 212, 241  0, 0, 0

 255, 240, 255

 120, 81, 107  120, 81, 107

 120, 69, 103  120, 93, 111

 120, 57, 99  120, 105, 115

120, 45, 95

120, 117, 119

120, 33, 91

120, 127, 129

120, 21, 87

120, 136, 141

120, 9, 83

120, 145, 153

120, 0, 80

120, 154, 165

120, 163, 177

120, 172, 189

Harmonies

Analogous

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



102, 87, 122



120, 81, 107



128, 79, 89

Triad

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



120, 81, 107



67, 101, 57



27, 67, 115

Complementary

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



120, 81, 107



81, 110, 120

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.



37, 72, 103



120, 81, 107



64, 99, 82

Square

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



120, 81, 107



117, 111, 60



59, 88, 102



46, 78, 126

Rectangle

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



120, 81, 107



128, 80, 77



59, 88, 102



27, 66, 109

Sweetspot

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



120, 81, 107



156, 140, 150



94, 81, 120



79, 70, 76



207, 207, 207



79, 79, 79

Same Dimension

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



120, 81, 107



156, 95, 135



120, 81, 88



61, 55, 59



125, 0, 83



252, 0, 168

Inverse Universe

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



120, 81, 107



156, 95, 135



81, 102, 120



61, 55, 59



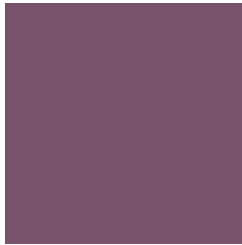
125, 0, 83



252, 0, 168

Previews

White Background



This preview shows how the RYB color 120, 81, 107 looks on a white background.

Color Contrast Check

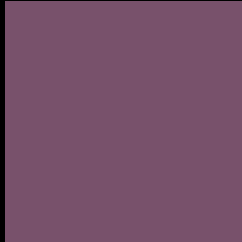
Large Text (above 18pt) WCAG AA ✓ Pass

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 120, 81, 107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

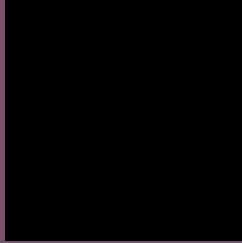
Any Text WCAG AA × Fail

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](#).

RYP 120, 81, 107 Background



This preview shows how black text looks on a background with the RYP color 120, 81, 107.



This preview shows how white text looks on a background with the RYP color 120, 81, 107.

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, 81, 107

Protanopia

88, 91, 115

Deuteranopia

97, 91, 105



Tritanopia
118, 84, 90

Trichromacy



Original Color

120, 81, 107

Protanomaly

100, 88, 112

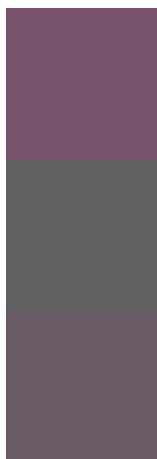
Deuteranomaly

105, 87, 106

Tritanomaly

119, 83, 96

Monochromacy



Original Color

120, 81, 107

Achromatopsia

96, 96, 96

Achromatomaly

105, 91, 100

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 81, 107 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(120, 81, 107) looks like.

```
.text, #text, p{  
    color:rgb(120, 81, 107)  
}
```

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(120, 81, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 81, 107) }
```

Border

The CSS property to change the border of an element to RYB 120, 81, 107 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(120, 81, 107) }
```

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

```
.border{ border-color:rgb(120, 81, 107) }
```

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

Here you see how a box with a 4 pixel rgb(120, 81, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 81, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 81, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 81,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 120, 81, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 81, 107) }
```

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

```
.background{ background-color: rgb(120, 81,  
107) }
```

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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