

Converting Colors

`RYB(118, 81, 129)`

Have a look what the booklet for
RYB(118, 81, 129) contains.

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Color

`RYB(118, 81, 129)`

Conversions

Conversions Part 1

Format	Color
Hex	765181
RGB	118, 81, 129
RGB Percent	46%, 32%, 51%
CMY	0.5373, 0.6824, 0.4941
CMYK	0.09, 0.37, 0.00, 0.49
HSL	286°, 23%, 41%
HSV	286°, 37%, 51%
XYZ	14.3761, 11.3214, 22.1964
YIQ	97.5350, 6.6440, 22.7720

Conversions

Conversions Part 2

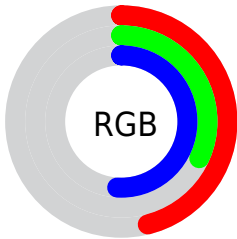
Format	Color
R_{YB}	118, 81, 129
Decimal	7754113
CIE _{Lab}	40.12, 24.52, -20.95
CIE _{LCh}	40, 32.254, 319.483
Yxy	11.3214, 0.3002, 0.2364
Android (android.graphics.Color)	4285944193 (0xFF765181)
YUV	97.5350, 15.5122, 17.9478
Hunter-Lab	33.6473, 17.3830, -15.5593

Details

The RYB color **118, 81, 129** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **81, 129, 118**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **171, 131, 182**, and **69, 35, 80** is the 20% darker color. If you saturate the color by 10%, you get **115, 68, 129**, and if you desaturate by 10%, it is **121, 94, 129**.

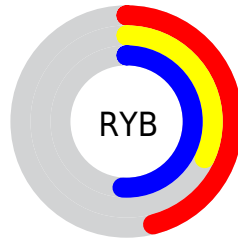
Distribution



Red (46%)

Green (32%)

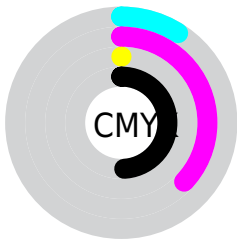
Blue (51%)



Red (46%)

Yellow (32%)

Blue (51%)

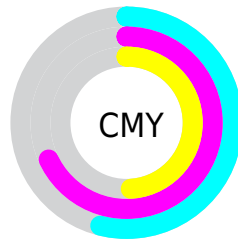


Cyan (9%)

Magenta (37%)

Yellow (0%)

Black (49%)



Cyan (54%)

Magenta (68%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 81, 129 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 118, 81, 129 by changing the saturation by 10% instead.



118, 81, 129



118, 81, 129

255, 255, 255



93, 57, 104



171, 131, 182



69, 35, 80



198, 157, 210



45, 13, 56



227, 184, 238



28, 0, 35



255, 212, 255



0, 0, 10



255, 241, 255



0, 0, 0



118, 81, 129



118, 81, 129



115, 68, 129



121, 94, 129



112, 55, 129



124, 107, 129

109, 42, 129

127, 120, 129

106, 29, 129

129, 133, 132

103, 16, 129

129, 146, 142

100, 4, 129

129, 158, 151

99, 0, 129

129, 171, 161

129, 184, 171

129, 197, 181

Harmonies

Analogous

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



82, 90, 144



118, 81, 129



139, 74, 105

Triad

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



118, 81, 129



86, 118, 42



0, 55, 111

Complementary

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



118, 81, 129



81, 129, 118

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.



12, 66, 107



118, 81, 129



43, 98, 48

Square

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



118, 81, 129



136, 91, 55



59, 104, 100



0, 59, 134

Rectangle

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



118, 81, 129



144, 72, 87



59, 104, 100



0, 56, 108

Sweetspot

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



118, 81, 129



164, 150, 168



81, 90, 129



82, 73, 84



212, 212, 212



84, 84, 84

Same Dimension

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



118, 81, 129



151, 93, 168



129, 81, 116



62, 57, 64



98, 0, 128



0, 0, 0

Inverse Universe

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



129, 81, 92



168, 93, 110



81, 119, 129



64, 57, 59



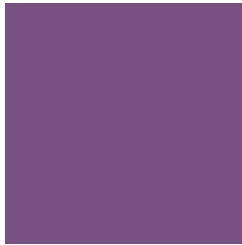
128, 0, 29



0, 0, 0

Previews

White Background



This preview shows how the RYB color 118, 81, 129 looks on a white background.

Color Contrast Check

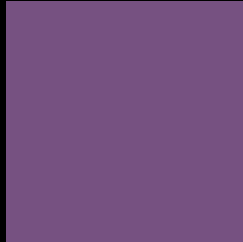
Large Text (above 18pt) WCAG AA ✓ Pass

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 118, 81, 129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

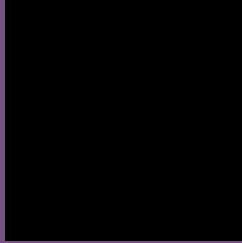
Any Text WCAG AA × Fail

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 118, 81, 129 Background



This preview shows how black text looks on a background with the R Y B color 118, 81, 129.



This preview shows how white text looks on a background with the R Y B color 118, 81, 129.

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

118, 81, 129

Protanopia

80, 91, 139

Deuteranopia

86, 92, 127



Tritanopia
113, 88, 95

Trichromacy



Original Color
118, 81, 129

Protanomaly
94, 89, 135

Deuteranomaly
98, 89, 128

Tritanomaly
115, 85, 107

Monochromacy



Original Color
118, 81, 129

Achromatopsia
98, 98, 98

Achromatomaly
105, 92, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 81, 129 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(118, 81, 129)` looks like.

```
.text, #text, p{  
    color:rgb(118, 81, 129)  
}
```

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(118, 81, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 81, 129) }
```

Border

The CSS property to change the border of an element to RYB 118, 81, 129 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(118, 81, 129) }
```

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

```
.border{ border-color:rgb(118, 81, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 81, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 81, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 81, 129);  
box-shadow:4px 4px 4px 4px rgb(118, 81,  
129) }
```

Background

The CSS property to change the background color of an element to RGB 118, 81, 129 is called "background".

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

```
.background, #background, body{  
background: rgb(118, 81, 129) }
```

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

```
.background{ background-color: rgb(118, 81,  
129) }
```

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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