

Converting Colors

`RYB(126, 78, 126)`

Have a look what the booklet for
RYB(126, 78, 126) contains.

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Color

`RYB(126, 78, 126)`

Conversions

Conversions Part 1

Format	Color
Hex	7E4E7E
RGB	126, 78, 126
RGB Percent	49%, 31%, 49%
CMY	0.5059, 0.6941, 0.5059
CMYK	0.00, 0.38, 0.00, 0.51
HSL	300°, 24%, 40%
HSV	300°, 38%, 49%
XYZ	15.0945, 11.3908, 21.1417
YIQ	97.8240, 13.2000, 25.1040

Conversions

Conversions Part 2

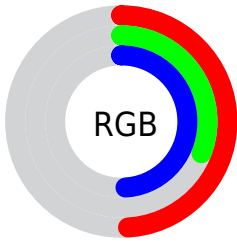
Format	Color
R_{YB}	126, 78, 126
Decimal	8277630
CIE _{Lab}	40.23, 28.39, -18.86
CIE _{LCh}	40, 34.087, 326.402
Yxy	11.3908, 0.3169, 0.2392
Android (android.graphics.Color)	4286467710 (0xFF7E4E7E)
YUV	97.8240, 13.8908, 24.7104
Hunter-Lab	33.7502, 20.7697, -13.5152

Details

The RYB color **126, 78, 126** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **78, 126, 126**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **180, 128, 179**, and **76, 31, 77** is the 20% darker color. If you saturate the color by 10%, you get **126, 65, 126**, and if you desaturate by 10%, it is **126, 91, 126**.

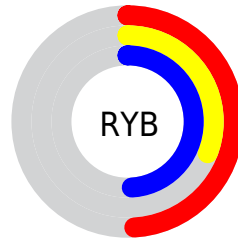
Distribution



Red (49%)

Green (31%)

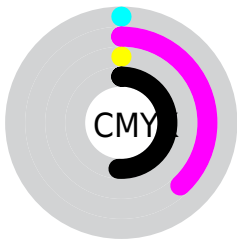
Blue (49%)



Red (49%)

Yellow (31%)

Blue (49%)

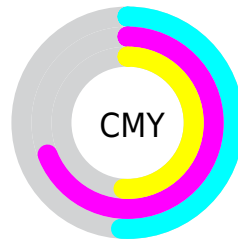


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (51%)



Cyan (51%)

Magenta (69%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 126, 78, 126 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 126, 78, 126 by changing the saturation by 10% instead.



126, 78, 126



126, 78, 126

255, 255, 255



100, 54, 101



180, 128, 179



76, 31, 77



207, 154, 206



52, 8, 54



236, 182, 235



34, 0, 33



255, 209, 255



0, 0, 5



255, 238, 255



0, 0, 0



126, 78, 126



126, 78, 126



126, 65, 126



126, 91, 126



126, 53, 126





126, 103, 126

 126, 40, 126

 126, 116, 126

 126, 28, 126

 126, 128, 128


 126, 15, 126


 126, 141, 141


 126, 2, 126

 126, 154, 154

 126, 0, 126

 126, 166, 166

 126, 179, 179

 126, 191, 191

Harmonies

Analogous

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



91, 89, 145



126, 78, 126



144, 71, 99

Triad

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



126, 78, 126



68, 114, 37



0, 57, 119

Complementary

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



126, 78, 126



78, 126, 126

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.



0, 60, 109



126, 78, 126



43, 101, 58

Square

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



126, 78, 126



135, 103, 49



52, 97, 106



0, 60, 141

Rectangle

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



126, 78, 126



147, 72, 81



52, 97, 106



0, 55, 110

Sweetspot

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



126, 78, 126



163, 145, 163



78, 78, 126



82, 71, 82



209, 209, 209



82, 82, 82

Same Dimension

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



126, 78, 126



163, 88, 163



126, 78, 102



64, 57, 64



128, 0, 128



0, 0, 0

Inverse Universe

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



126, 78, 126



163, 88, 163



78, 110, 126



64, 57, 64



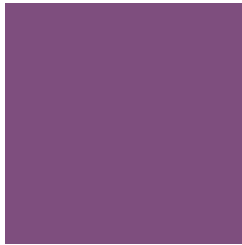
128, 0, 128



0, 0, 0

Previews

White Background



This preview shows how the RYB color 126, 78, 126 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 126, 78, 126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

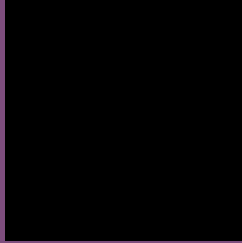
Any Text WCAG AA × Fail

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](#).

RYB 126, 78, 126 Background



This preview shows how black text looks on a background with the RYB color 126, 78, 126.



This preview shows how white text looks on a background with the RYB color 126, 78, 126.

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

126, 78, 126

Protanopia

81, 92, 138

Deuteranopia

90, 94, 123



Tritanopia
122, 85, 92

Trichromacy



Original Color

126, 78, 126

Protanomaly

97, 88, 134

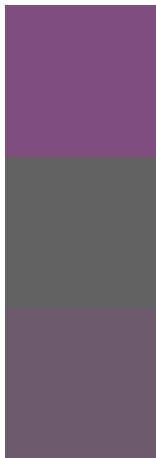
Deuteranomaly

103, 88, 124

Tritanomaly

123, 82, 104

Monochromacy



Original Color

126, 78, 126

Achromatopsia

98, 98, 98

Achromatomaly

108, 91, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 126, 78, 126 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(126, 78, 126)` looks like.

```
.text, #text, p{  
    color:rgb(126, 78, 126)  
}
```

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(126, 78, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 78, 126) }
```

Border

The CSS property to change the border of an element to RYB 126, 78, 126 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(126, 78, 126) }
```

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

```
.border{ border-color:rgb(126, 78, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 78, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 78, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 78, 126);  
box-shadow:4px 4px 4px 4px rgb(126, 78,  
126) }
```

Background

The CSS property to change the background color of an element to RYB 126, 78, 126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 78, 126) }
```

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

```
.background{ background-color: rgb(126, 78,  
126) }
```

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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