

Converting Colors

`RYB(78, 102, 125)`

Have a look what the booklet for
RYB(78, 102, 125) contains.

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Color

RYB(78, 102, 125)

Conversions

Conversions Part 1	
Format	Color
Hex	4E7D7B
RGB	78, 125, 123
RGB Percent	31%, 49%, 48%
CMY	0.6941, 0.5098, 0.5175
CMYK	0.38, 0.00, 0.02, 0.51
HSL	177°, 23%, 40%
HSV	177°, 38%, 49%
XYZ	14.0533, 17.7180, 21.4318
YIQ	110.7190, -27.3700, -10.5860

Conversions

Conversions Part 2

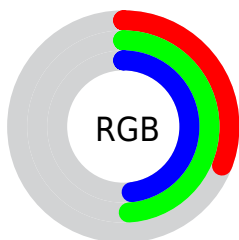
Format	Color
RYB	78, 102, 125
Decimal	5143931
CIELab	49.15, -16.44, -4.01
CIELCh	49, 16.918, 193.706
Yxy	17.7180, 0.2641, 0.3330
Android (android.graphics.Color)	4283334011 (0xFF4E7D7B)
YUV	110.7190, 6.0545, -28.6946
Hunter-Lab	42.0928, -14.0677, -0.7229

Details

The RYB color **78, 102, 125** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **125, 78, 80**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **129, 154, 178**, and **28, 53, 76** is the 20% darker color. If you saturate the color by 10%, you get **66, 96, 125**, and if you desaturate by 10%, it is **90, 108, 125**.

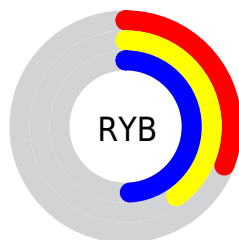
Distribution



Red (31%)

Green (49%)

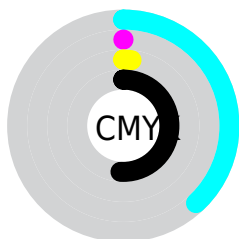
Blue (48%)



Red (31%)

Yellow (40%)

Blue (49%)

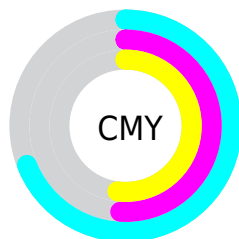


Cyan (38%)

Magenta (0%)

Yellow (2%)

Black (51%)



Cyan (69%)

Magenta (51%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 102, 125 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 78, 102, 125 by changing the saturation by 10% instead.



78, 102, 125



78, 102, 125

255, 255, 255



53, 77, 100



129, 154, 178



28, 53, 76



156, 181, 205



0, 27, 53



184, 210, 234



0, 16, 32



212, 234, 255



0, 0, 6



240, 248, 255



0, 0, 0



78, 102, 125



78, 102, 125



66, 96, 125







90, 108, 125



53, 90, 125



103, 114, 125

 41, 84, 125 116, 121, 125 28, 78, 125 128, 125, 125 16, 72, 125 141, 125, 126 3, 65, 125 153, 125, 126 0, 64, 125 166, 125, 127 178, 125, 127 191, 125, 128

Harmonies

Analogous

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



89, 112, 124



78, 102, 125



78, 104, 136

Triad

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



78, 102, 125



127, 111, 138



133, 135, 90

Complementary

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



78, 102, 125



125, 78, 80

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.



144, 112, 98



78, 102, 125



141, 107, 125

Square

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



78, 102, 125



109, 115, 144



146, 107, 111



92, 121, 89

Rectangle

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



78, 102, 125



85, 107, 142



146, 107, 111



138, 127, 92

Sweetspot

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



78, 102, 125



145, 154, 163



78, 125, 123



71, 77, 82



209, 209, 209



82, 82, 82

Same Dimension

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



78, 102, 125



90, 127, 163



78, 95, 125



57, 61, 64



0, 66, 128



0, 0, 0

Inverse Universe

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



125, 78, 80



163, 90, 93



125, 116, 78



64, 57, 58



128, 0, 5



0, 0, 0

Previews

White Background



This preview shows how the RYB color 78, 102, 125 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 78, 102, 125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

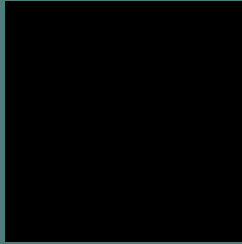
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RVB 78, 102, 125 Background



This preview shows how black text looks on a background with the RVB color 78, 102, 125.



This preview shows how white text looks on a background with the RVB color 78, 102, 125.

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

78, 102, 125

Protanopia

118, 116, 118

Deuteranopia

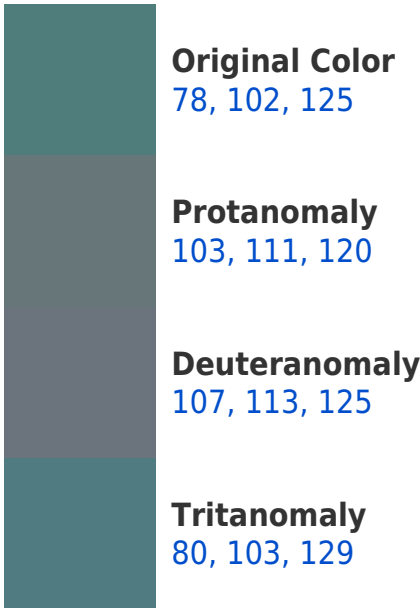
123, 113, 126



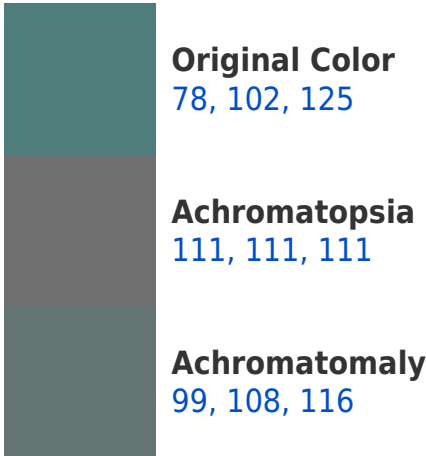
Tritanopia

81, 104, 133

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 78, 102, 125 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(78, 125, 123) looks like.

```
.text, #text, p{  
    color:rgb(78, 125, 123)  
}
```

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(78, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 125, 123) }
```

Border

The CSS property to change the border of an element to RYB 78, 102, 125 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(78, 125, 123) }
```

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

```
.border{ border-color:rgb(78, 125, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(78, 125,  
123) }
```

Background

The CSS property to change the background color of an element to RGB 78, 125, 123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 125, 123) }
```

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

```
.background{ background-color: rgb(78, 125,  
123) }
```

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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