

# Converting Colors

`RYB(152, 128, 162)`

Have a look what the booklet for  
RYB(152, 128, 162) contains.

<b>RYB(152, 128, 162)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(152, 128, 162)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9880A2
RGB	152, 128, 162
RGB Percent	60%, 50%, 64%
CMY	0.4039, 0.4980, 0.3647
CMYK	0.06, 0.21, 0.00, 0.36
HSL	282°, 15%, 57%
HSV	282°, 21%, 64%
XYZ	27.1897, 24.7224, 37.5213
YIQ	139.0520, 3.3900, 15.6620

# Conversions

## Conversions Part 2

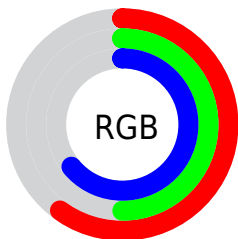
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 128, 162
Decimal	9994402
CIELab	56.80, 15.64, -14.69
CIELCh	57, 21.461, 316.790
Yxy	24.7224, 0.3040, 0.2764
Android (android.graphics.Color)	4288184482 (0xFF9880A2)
YUV	139.0520, 11.3134, 11.3554
Hunter-Lab	49.7216, 10.5977, -9.9367

# Details

The RYB color **152, 128, 162** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **128, 162, 152**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **207, 181, 217**, and **101, 79, 110** is the 20% darker color. If you saturate the color by 10%, you get **147, 112, 162**, and if you desaturate by 10%, it is **157, 144, 162**.

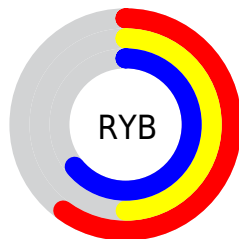
# Distribution



Red (60%)

Green (50%)

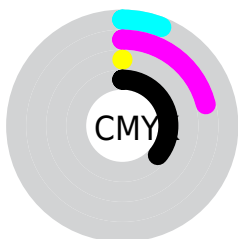
Blue (64%)



Red (60%)

Yellow (50%)

Blue (64%)

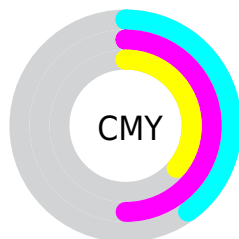


Cyan (6%)

Magenta (21%)

Yellow (0%)

Black (36%)



Cyan (40%)

Magenta (50%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 152, 128, 162 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 152, 128, 162 by changing the saturation by 10% instead.




 152, 128, 162


255, 255, 255


 207, 181, 217

 235, 209, 245


 255, 237, 255

 152, 128, 162

 126, 103, 136

 101, 79, 110

 77, 56, 86

 53, 34, 63

 32, 13, 41


 0, 0, 20

 0, 0, 0

 152, 128, 162


 147, 112, 162


 152, 128, 162


 157, 144, 162


 142, 96, 162

 162, 160, 162

 138, 79, 162


 162, 177, 173

 133, 63, 162


 162, 193, 184

 128, 47, 162


 162, 209, 195

 123, 31, 162

 162, 225, 206

 119, 15, 162

 162, 241, 218

 114, 0, 162

 162, 255, 227

 162, 255, 222

# Harmonies

## Analogous

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



128, 133, 172



152, 128, 162



168, 124, 145

# Triad

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



152, 128, 162



147, 158, 100



83, 115, 147

# Complementary

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



152, 128, 162



128, 162, 152

# 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.



97, 127, 146



152, 128, 162



101, 139, 100

# Square

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



152, 128, 162



170, 132, 110



110, 143, 135



84, 118, 163

# Rectangle

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



152, 128, 162



174, 123, 133



110, 143, 135



86, 118, 147



# Sweetspot

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



152, 128, 162



208, 199, 212



128, 136, 162



105, 100, 107



235, 235, 235



107, 107, 107



# Same Dimension

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



152, 128, 162



196, 159, 212



162, 128, 155



79, 73, 82



103, 0, 145



13, 0, 18



# Inverse Universe

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



162, 128, 138



212, 159, 174



128, 156, 162



82, 73, 76



145, 0, 43

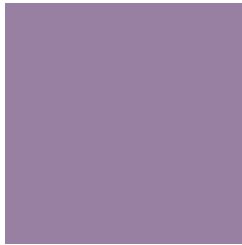


18, 0, 5



# Previews

## White Background



This preview shows how the RYB color 152, 128, 162 looks on a white background.

## Color Contrast Check

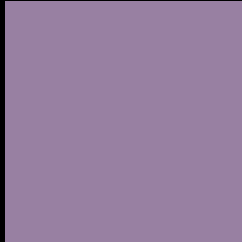
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 152, 128, 162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

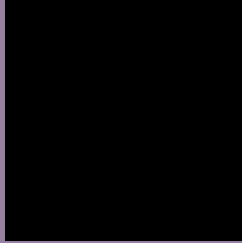
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 152, 128, 162 Background



This preview shows how black text looks on a background with the RYB color 152, 128, 162.



This preview shows how white text looks on a background with the RYB color 152, 128, 162.

# 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**  
152, 128, 162

**Protanopia**  
129, 134, 167

**Deuteranopia**  
138, 133, 161



**Tritanopia**  
149, 132, 142

# Trichromacy



**Original Color**

152, 128, 162

**Protanomaly**

137, 132, 165

**Deuteranomaly**

143, 131, 161

**Tritanomaly**

150, 131, 149

# Monochromacy



**Original Color**

152, 128, 162

**Achromatopsia**

139, 139, 139

**Achromatomaly**

144, 135, 147

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 152, 128, 162 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(152, 128, 162) looks like.

```
.text, #text, p{  
    color:rgb(152, 128, 162)  
}
```

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(152, 128, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 128, 162) }
```

## Border

The CSS property to change the border of an element to RYB 152, 128, 162 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(152, 128, 162) }
```

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

```
.border{ border-color:rgb(152, 128, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 128, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 128, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 128, 162);  
box-shadow:4px 4px 4px 4px rgb(152, 128,  
162) }
```

# Background

The CSS property to change the background color of an element to RYB 152, 128, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 128, 162) }
```

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

```
.background{ background-color: rgb(152,  
128, 162) }
```

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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