

# Converting Colors

`RYB(153, 142, 154)`

Have a look what the booklet for  
RYB(153, 142, 154) contains.

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# Color

**R<sub>Y</sub>B(153, 142, 154)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	998E9A
RGB	153, 142, 154
RGB Percent	60%, 56%, 60%
CMY	0.4000, 0.4431, 0.3961
CMYK	0.01, 0.08, 0.00, 0.40
HSL	295°, 6%, 58%
HSV	295°, 8%, 60%
XYZ	28.6426, 28.4514, 34.5539
YIQ	146.6570, 2.7040, 6.0640

# Conversions

## Conversions Part 2

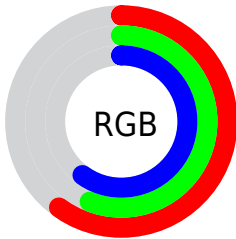
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 142, 154
Decimal	10063514
CIE <sub>Lab</sub>	60.29, 6.36, -4.88
CIE <sub>LCh</sub>	60, 8.018, 322.532
Yxy	28.4514, 0.3125, 0.3104
Android (android.graphics.Color)	4288253594 (0xFF998E9A)
YUV	146.6570, 3.6201, 5.5628
Hunter-Lab	53.3399, 2.5068, -1.0705

# Details

The RYB color **153, 142, 154** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **142, 154, 153**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **207, 196, 208**, and **102, 92, 103** is the 20% darker color. If you saturate the color by 10%, you get **152, 127, 154**, and if you desaturate by 10%, it is **154, 157, 157**.

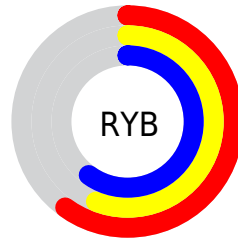
# Distribution



Red (60%)

Green (56%)

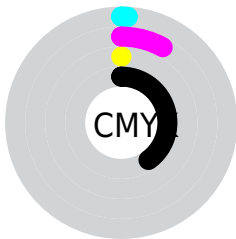
Blue (60%)



Red (60%)

Yellow (56%)

Blue (60%)

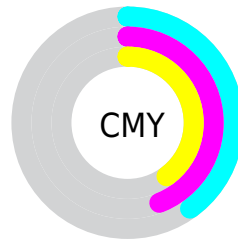


Cyan (1%)

Magenta (8%)

Yellow (0%)

Black (40%)



Cyan (40%)

Magenta (44%)

Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 153, 142, 154 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 153, 142, 154 by changing the saturation by 10% instead.



 153, 142, 154


255, 255, 255

 207, 196, 208

 236, 224, 237

 255, 252, 255

 153, 142, 154


 127, 116, 128

 102, 92, 103

 78, 68, 79


 55, 46, 56


 34, 25, 35


 12, 0, 13

 0, 0, 0

 153, 142, 154

 152, 127, 154

 153, 142, 154

 154, 157, 157

150, 111, 154

154, 173, 171

149, 96, 154

154, 188, 185

148, 80, 154

154, 204, 200

147, 65, 154

154, 219, 214

145, 50, 154

154, 234, 227

144, 34, 154

154, 250, 242

143, 19, 154

154, 255, 246

141, 3, 154

154, 255, 244

# Harmonies

## Analogous

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



145, 144, 158



153, 142, 154



159, 141, 147

# Triad

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



153, 142, 154



146, 153, 131



128, 139, 150

# Complementary

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



153, 142, 154



142, 154, 153

# 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.



131, 143, 150



153, 142, 154



132, 147, 134

# Square

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



153, 142, 154



159, 146, 134



137, 148, 148



130, 141, 156

# Rectangle

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



153, 142, 154



161, 141, 143



137, 148, 148



128, 140, 150



# Sweetspot

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



153, 142, 154



201, 197, 201



142, 143, 154



102, 100, 102



230, 230, 230



102, 102, 102



# Same Dimension

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



153, 142, 154



200, 183, 201



154, 142, 149



76, 69, 77



129, 0, 140



12, 0, 13



# Inverse Universe

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



154, 142, 143



201, 183, 185



142, 150, 154



77, 69, 69



140, 0, 12



13, 0, 1



# Previews

## White Background



This preview shows how the RYB color 153, 142, 154 looks on a white background.

## Color Contrast Check

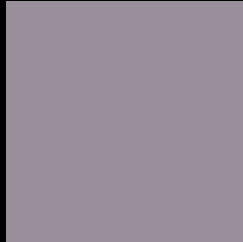
Large Text (above 18pt) WCAG AA ✓ Pass

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 153, 142, 154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

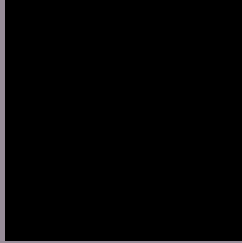
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

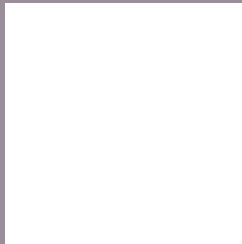
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 153, 142, 154 Background**



This preview shows how black text looks on a background with the RYB color 153, 142, 154.



This preview shows how white text looks on a background with the RYB color 153, 142, 154.

# 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**  
153, 142, 154

**Protanopia**  
145, 144, 155

**Deuteranopia**  
155, 141, 154



# Tritanopia

153, 142, 153

# Trichromacy



## Original Color

153, 142, 154

## Protanomaly

148, 143, 155

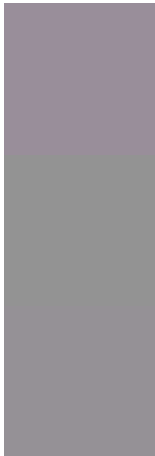
## Deuteranomaly

154, 141, 154

## Tritanomaly

153, 142, 153

# Monochromacy



## Original Color

153, 142, 154

## Achromatopsia

147, 147, 147

## Achromatomaly

149, 145, 150

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 153, 142, 154 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(153, 142, 154) looks like.

```
.text, #text, p{  
    color:rgb(153, 142, 154)  
}
```

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(153, 142, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 142, 154) }
```

## Border

The CSS property to change the border of an element to RYB 153, 142, 154 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(153, 142, 154) }
```

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

```
.border{ border-color:rgb(153, 142, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 142, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 142, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 142, 154);  
box-shadow:4px 4px 4px 4px rgb(153, 142,  
154) }
```

# Background

The CSS property to change the background color of an element to RYB 153, 142, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 142, 154) }
```

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

```
.background{ background-color: rgb(153,  
142, 154) }
```

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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