

# Converting Colors

`RYB(153, 106, 157)`

Have a look what the booklet for  
RYB(153, 106, 157) contains.

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# Color

**R<sub>Y</sub>B(153, 106, 157)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	996A9D
RGB	153, 106, 157
RGB Percent	60%, 42%, 62%
CMY	0.4000, 0.5843, 0.3843
CMYK	0.03, 0.32, 0.00, 0.38
HSL	295°, 21%, 52%
HSV	295°, 32%, 62%
XYZ	24.3767, 19.5147, 34.3802
YIQ	125.8670, 11.6410, 25.8250

# Conversions

## Conversions Part 2

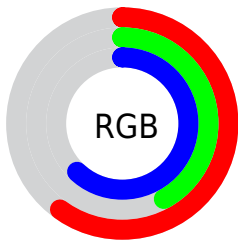
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 106, 157
Decimal	10054301
CIE <sub>Lab</sub>	51.28, 27.66, -20.18
CIE <sub>LCh</sub>	51, 34.239, 323.879
Yxy	19.5147, 0.3114, 0.2493
Android (android.graphics.Color)	4288244381 (0xFF996A9D)
YUV	125.8670, 15.3486, 23.7956
Hunter-Lab	44.1754, 21.1921, -15.2205

# Details

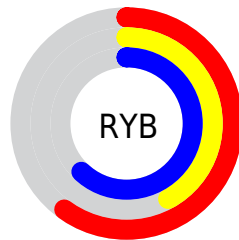
The RYB color **153, 106, 157** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **106, 157, 153**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **208, 158, 212**, and **101, 58, 106** is the 20% darker color. If you saturate the color by 10%, you get **152, 90, 157**, and if you desaturate by 10%, it is **154, 122, 157**.

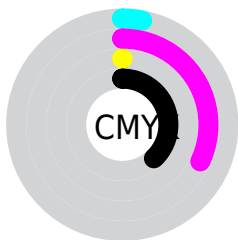
# Distribution



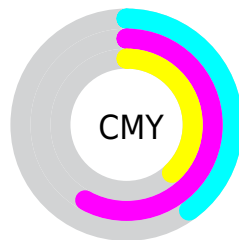
- Red (60%)
- Green (42%)
- Blue (62%)



- Red (60%)
- Yellow (42%)
- Blue (62%)



- Cyan (3%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (58%)
- Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 153, 106, 157 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, 106, 157 by changing the saturation by 10% instead.



 153, 106, 157

255, 255, 255

 208, 158, 212


 237, 185, 240

 255, 213, 255

 255, 242, 255

 153, 106, 157

 127, 81, 131

 101, 58, 106

 76, 35, 81

 52, 12, 58

 33, 0, 37


 0, 0, 12

 0, 0, 0

 153, 106, 157

 152, 90, 157

 153, 106, 157

 154, 122, 157

151, 75, 157

155, 137, 157

149, 59, 157

157, 153, 157

148, 43, 157

157, 169, 168

147, 27, 157

157, 185, 183

146, 12, 157

157, 200, 197

145, 0, 157

157, 216, 211

157, 232, 226

157, 247, 240

# Harmonies

## Analogous

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



116, 117, 176



153, 106, 157



174, 99, 129

# Triad

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



153, 106, 157



105, 146, 63



0, 70, 145

# Complementary

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



153, 106, 157



106, 157, 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.



35, 92, 137



153, 106, 157



67, 128, 78

# Square

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



153, 106, 157



167, 125, 76



82, 129, 134



0, 75, 169

# Rectangle

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



153, 106, 157



178, 99, 110



82, 129, 134



0, 69, 137



# Sweetspot

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



153, 106, 157



202, 184, 204



106, 110, 157



101, 90, 102



230, 230, 230



102, 102, 102



# Same Dimension

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



153, 106, 157



198, 124, 204



157, 106, 136



78, 71, 79



132, 0, 143



14, 0, 15



# Inverse Universe

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



157, 106, 110



204, 124, 131



106, 142, 157



79, 71, 72



143, 0, 11



15, 0, 1



# Previews

## White Background



This preview shows how the RYB color 153, 106, 157 looks on a white background.

## Color Contrast Check

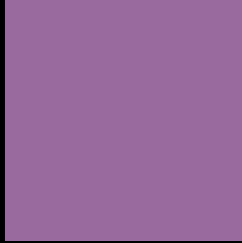
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106, 157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

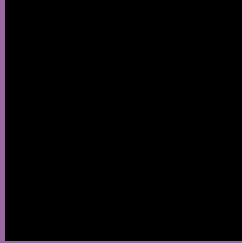
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 153, 106, 157 Background



This preview shows how black text looks on a background with the RYB color 153, 106, 157.

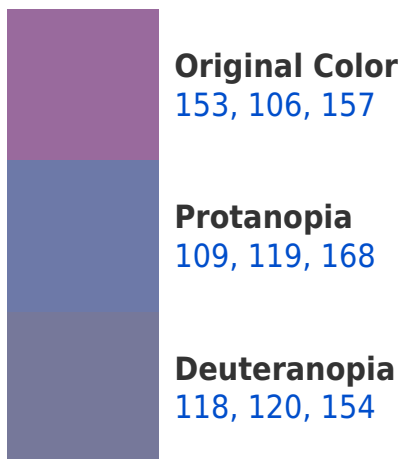



This preview shows how white text looks on a background with the RYB color 153, 106, 157.

# 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





**Tritanopia**  
148, 113, 122

# Trichromacy



**Original Color**  
153, 106, 157

**Protanomaly**  
125, 116, 164

**Deuteranomaly**  
131, 115, 155

**Tritanomaly**  
150, 110, 135

# Monochromacy



**Original Color**  
153, 106, 157

**Achromatopsia**  
126, 126, 126

**Achromatomaly**  
136, 119, 137

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 153, 106, 157 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, 106, 157) looks like.

```
.text, #text, p{  
    color:rgb(153, 106, 157)  
}
```

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, 106, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 106, 157) }
```

## Border

The CSS property to change the border of an element to RYB 153, 106, 157 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, 106, 157) }
```

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

```
.border{ border-color:rgb(153, 106, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 106, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 106, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 106, 157); box-shadow:4px 4px 4px 4px rgb(153, 106, 157) }
```

# Background

The CSS property to change the background color of an element to RYB 153, 106, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 106, 157) }
```

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

```
.background{ background-color: rgb(153,  
106, 157) }
```

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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