

# Converting Colors

`RYB(147, 77, 144)`

Have a look what the booklet for  
RYB(147, 77, 144) contains.

<b>RYB(147, 77, 144)</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(147, 77, 144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	934D90
RGB	147, 77, 144
RGB Percent	58%, 30%, 56%
CMY	0.4235, 0.6980, 0.4353
CMYK	0.00, 0.48, 0.02, 0.42
HSL	303°, 31%, 44%
HSV	303°, 48%, 58%
XYZ	19.7205, 13.5244, 27.9566
YIQ	105.5680, 20.2130, 35.6770

# Conversions

## Conversions Part 2

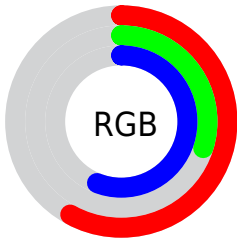
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 77, 144
Decimal	9653648
CIE <sub>Lab</sub>	43.54, 39.35, -24.46
CIE <sub>LCh</sub>	44, 46.333, 328.140
Yxy	13.5244, 0.3222, 0.2210
Android (android.graphics.Color)	4287843728 (0xFF934D90)
YUV	105.5680, 18.9470, 36.3359
Hunter-Lab	36.7756, 31.3617, -19.3292

# Details

The RYB color **147, 77, 144** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **77, 144, 147**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **202, 128, 198**, and **94, 27, 93** is the 20% darker color. If you saturate the color by 10%, you get **147, 62, 143**, and if you desaturate by 10%, it is **147, 92, 145**.

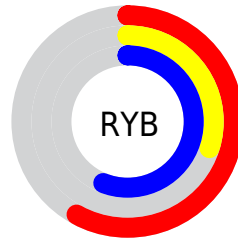
# Distribution



Red (58%)

Green (30%)

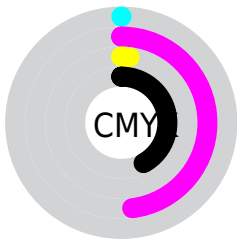
Blue (56%)



Red (58%)

Yellow (30%)

Blue (56%)

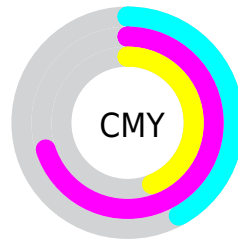


Cyan (0%)

Magenta (48%)

Yellow (2%)

Black (42%)



Cyan (42%)

Magenta (70%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 147, 77, 144 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 147, 77, 144 by changing the saturation by 10% instead.





147, 77, 144



147, 77, 144

255, 255, 255



120, 52, 118



202, 128, 198



94, 27, 93



231, 155, 226



69, 0, 69



255, 183, 255



46, 0, 47



255, 211, 255



14, 0, 25



255, 239, 255



0, 0, 0



147, 77, 144



147, 77, 144



147, 62, 143



147, 92, 145



147, 48, 143



147, 106, 145

■ 147, 33, 142

■ 147, 121, 146

■ 147, 18, 141

■ 147, 136, 147

■ 147, 4, 141

■ 147, 151, 151

■ 147, 0, 141

■ 147, 164, 165

■ 147, 179, 180

■ 147, 193, 195

■ 147, 206, 209

# Harmonies

## Analogous

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



99, 94, 171



147, 77, 144



170, 66, 107

# Triad

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



147, 77, 144



50, 125, 17



0, 64, 138

# Complementary

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



147, 77, 144



77, 144, 147

# 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, 67, 121



147, 77, 144



28, 111, 52

# Square

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



147, 77, 144



154, 118, 37



29, 95, 118



0, 69, 168

# Rectangle

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



147, 77, 144



173, 68, 81



29, 95, 118



0, 62, 126



# Sweetspot

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



147, 77, 144



191, 164, 190



79, 77, 147



97, 80, 96



224, 224, 224



97, 97, 97



# Same Dimension

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



147, 77, 144



191, 82, 187



147, 77, 110



74, 67, 74



138, 0, 132



10, 0, 10



# Inverse Universe

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



147, 77, 144



191, 82, 187



77, 123, 147



74, 67, 74



138, 0, 132

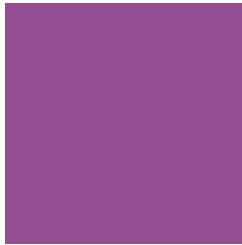


10, 0, 10



# Previews

## White Background



This preview shows how the RYB color 147, 77, 144 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 147, 77, 144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

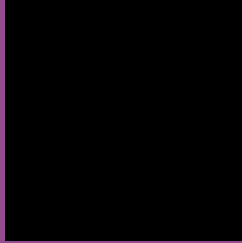
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYP 147, 77, 144 Background



This preview shows how black text looks on a background with the RYP color 147, 77, 144.

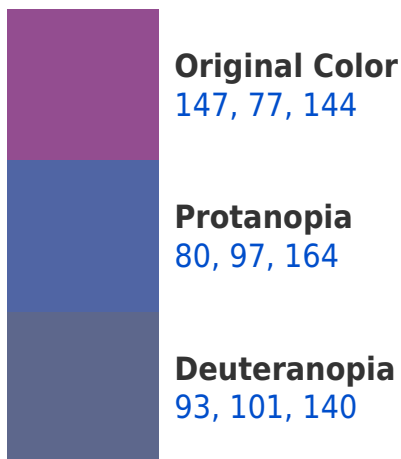


This preview shows how white text looks on a background with the RYP color 147, 77, 144.

# 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**  
141, 88, 95

# Trichromacy



**Original Color**

147, 77, 144

**Protanomaly**

104, 92, 157

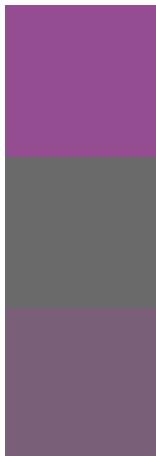
**Deuteranomaly**

113, 93, 141

**Tritanomaly**

143, 84, 113

# Monochromacy



**Original Color**

147, 77, 144

**Achromatopsia**

106, 106, 106

**Achromatomaly**

121, 95, 120

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 147, 77, 144 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(147, 77, 144)` looks like.

```
.text, #text, p{  
    color:rgb(147, 77, 144)  
}
```

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(147, 77, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 77, 144) }
```

## Border

The CSS property to change the border of an element to RYB 147, 77, 144 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(147, 77, 144) }
```

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

```
.border{ border-color:rgb(147, 77, 144) }
```

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

Here you see how a box with a 4 pixel rgb(147, 77, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 77, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 77, 144);  
box-shadow:4px 4px 4px 4px rgb(147, 77,  
144) }
```

# Background

The CSS property to change the background color of an element to RGB 147, 77, 144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 77, 144) }
```

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

```
.background{ background-color: rgb(147, 77,  
144) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor