

# Converting Colors

`RYB(143, 66, 161)`

Have a look what the booklet for  
RYB(143, 66, 161) contains.

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# Color

**R<sub>Y</sub>B(143, 66, 161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8F42A1
RGB	143, 66, 161
RGB Percent	56%, 26%, 63%
CMY	0.4392, 0.7412, 0.3686
CMYK	0.11, 0.59, 0.00, 0.37
HSL	289°, 42%, 45%
HSV	289°, 59%, 63%
XYZ	19.7089, 12.3093, 35.0554
YIQ	99.8530, 15.3970, 45.8690

# Conversions

## Conversions Part 2

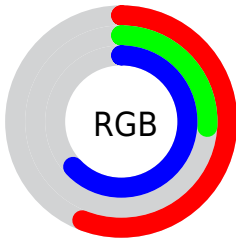
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 66, 161
Decimal	9388705
CIE <sub>Lab</sub>	41.70, 47.22, -37.59
CIE <sub>LCh</sub>	42, 60.356, 321.482
Yxy	12.3093, 0.2938, 0.1835
Android (android.graphics.Color)	4287578785 (0xFF8F42A1)
YUV	99.8530, 30.1455, 37.8399
Hunter-Lab	35.0846, 38.8752, -34.6814

# Details

The RYB color **143, 66, 161** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **66, 161, 143**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **199, 118, 216**, and **90, 8, 109** is the 20% darker color. If you saturate the color by 10%, you get **140, 50, 161**, and if you desaturate by 10%, it is **146, 82, 161**.

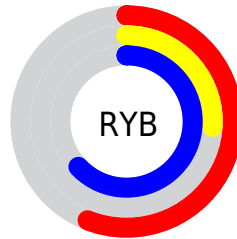
# Distribution



Red (56%)

Green (26%)

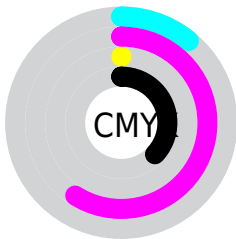
Blue (63%)



Red (56%)

Yellow (26%)

Blue (63%)

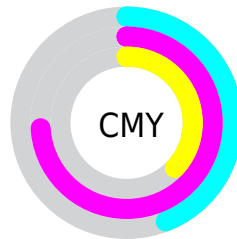


Cyan (11%)

Magenta (59%)

Yellow (0%)

Black (37%)



Cyan (44%)

Magenta (74%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 143, 66, 161 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 143, 66, 161 by changing the saturation by 10% instead.





143, 66, 161



143, 66, 161

255, 255, 255



116, 40, 134



199, 118, 216



90, 8, 109



228, 145, 245



64, 0, 84



255, 172, 255



41, 0, 60



255, 200, 255



0, 0, 38



255, 229, 255



0, 1, 14



0, 0, 0



143, 66, 161



143, 66, 161



140, 50, 161



146, 82, 161

137, 34, 161

149, 98, 161

134, 18, 161

152, 114, 161

131, 2, 161

155, 130, 161

130, 0, 161

158, 147, 161

161, 163, 163

161, 179, 176

161, 195, 189

161, 211, 202

# Harmonies

## Analogous

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



59, 85, 192



143, 66, 161



178, 41, 115

# Triad

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



143, 66, 161



58, 131, 0



0, 63, 134

# Complementary

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



143, 66, 161



66, 161, 143

# 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, 70, 119



143, 66, 161



0, 107, 21

# Square

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



143, 66, 161



166, 98, 16



0, 92, 115



0, 70, 176

# Rectangle

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



143, 66, 161



185, 38, 82



0, 92, 115



0, 61, 120



# Sweetspot

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



143, 66, 161



202, 171, 209



66, 82, 161



100, 82, 105



232, 232, 232



105, 105, 105



# Same Dimension

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



143, 66, 161



181, 61, 209



161, 66, 133



80, 73, 82



118, 0, 145



14, 0, 18



# Inverse Universe

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



161, 66, 84



209, 61, 89



66, 139, 161



82, 73, 75



145, 0, 28

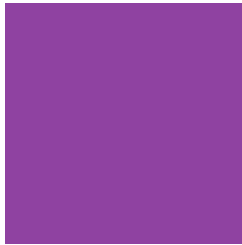


18, 0, 3



# Previews

## White Background



This preview shows how the RYB color 143, 66, 161 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 143, 66, 161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

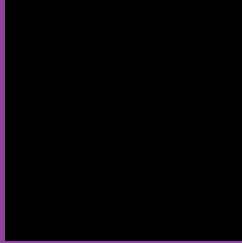
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## **RYB 143, 66, 161 Background**



This preview shows how black text looks on a background with the RYB color 143, 66, 161.

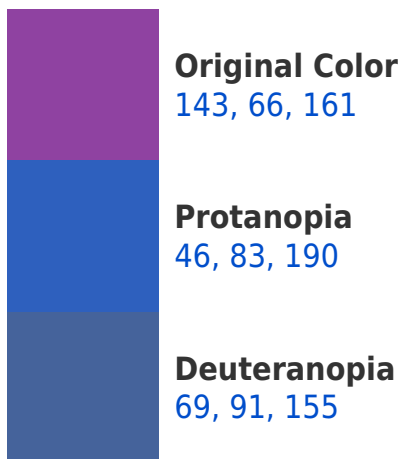


This preview shows how white text looks on a background with the RYB color 143, 66, 161.

# 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**  
133, 85, 92

# Trichromacy



**Original Color**

143, 66, 161



**Protanomaly**

81, 85, 179



**Deuteranomaly**

96, 87, 157



**Tritanomaly**

137, 78, 117

# Monochromacy



**Original Color**

143, 66, 161



**Achromatopsia**

100, 100, 100



**Achromatomaly**

116, 88, 122

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 143, 66, 161 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(143, 66, 161)` looks like.

```
.text, #text, p{  
    color:rgb(143, 66, 161)  
}
```

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(143, 66, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 66, 161) }
```

## Border

The CSS property to change the border of an element to RYB 143, 66, 161 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(143, 66, 161) }
```

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

```
.border{ border-color:rgb(143, 66, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 66, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 66, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 66, 161);  
box-shadow:4px 4px 4px 4px rgb(143, 66,  
161) }
```

# Background

The CSS property to change the background color of an element to RGB 143, 66, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 66, 161) }
```

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

```
.background{ background-color: rgb(143, 66,  
161) }
```

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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