

# Converting Colors

`RYB(137, 83, 143)`

Have a look what the booklet for  
RYB(137, 83, 143) contains.

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# Color

**R<sub>Y</sub>B(137, 83, 143)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	89538F
RGB	137, 83, 143
RGB Percent	54%, 33%, 56%
CMY	0.4627, 0.6745, 0.4392
CMYK	0.04, 0.42, 0.00, 0.44
HSL	294°, 27%, 44%
HSV	294°, 42%, 56%
XYZ	18.3677, 13.4880, 27.6220
YIQ	105.9860, 12.9240, 30.1080

# Conversions

## Conversions Part 2

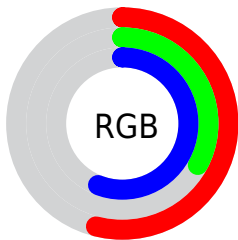
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 83, 143
Decimal	8999823
CIE <sub>Lab</sub>	43.49, 32.65, -24.04
CIE <sub>LCh</sub>	43, 40.548, 323.639
Yxy	13.4880, 0.3088, 0.2268
Android (android.graphics.Color)	4287189903 (0xFF89538F)
YUV	105.9860, 18.2479, 27.1993
Hunter-Lab	36.7261, 25.0021, -18.8842

# Details

The RYB color **137, 83, 143** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **83, 143, 137**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **191, 134, 197**, and **86, 35, 92** is the 20% darker color. If you saturate the color by 10%, you get **136, 69, 143**, and if you desaturate by 10%, it is **138, 97, 143**.

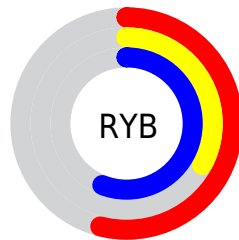
# Distribution



Red (54%)

Green (33%)

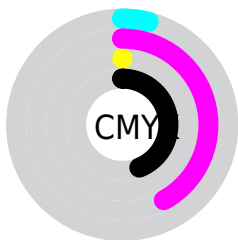
Blue (56%)



Red (54%)

Yellow (33%)

Blue (56%)

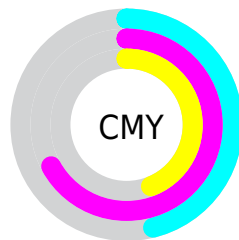


Cyan (4%)

Magenta (42%)

Yellow (0%)

Black (44%)



Cyan (46%)

Magenta (67%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 137, 83, 143 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 137, 83, 143 by changing the saturation by 10% instead.





137, 83, 143



137, 83, 143

255, 255, 255



111, 59, 117



191, 134, 197



86, 35, 92



220, 160, 225



61, 10, 69



249, 188, 254



39, 0, 46



255, 216, 255



0, 0, 25



255, 244, 255



0, 0, 0



137, 83, 143



137, 83, 143



136, 69, 143



138, 97, 143





134, 54, 143




140, 112, 143

 133, 40, 143

 141, 126, 143

 131, 26, 143


 143, 140, 143


 130, 12, 143

 143, 155, 154

 129, 0, 143

 143, 169, 166

 143, 183, 179

 143, 197, 192

 143, 212, 205

# Harmonies

## Analogous

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



92, 97, 164



137, 83, 143



160, 73, 111

# Triad

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



137, 83, 143



72, 127, 32



0, 62, 129

# Complementary

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



137, 83, 143



83, 143, 137

# 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, 66, 119



137, 83, 143



37, 109, 51

# Square

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



137, 83, 143



152, 107, 49



53, 109, 116



0, 67, 156

# Rectangle

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



137, 83, 143



165, 73, 89



53, 109, 116



0, 60, 119



# Sweetspot

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



137, 83, 143



184, 162, 186



83, 88, 143



93, 79, 94



222, 222, 222



94, 94, 94



# Same Dimension

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



137, 83, 143



177, 93, 186



143, 83, 119



71, 64, 71



122, 0, 135



7, 0, 8



# Inverse Universe

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



143, 83, 89



186, 93, 102



83, 126, 143



71, 64, 65



135, 0, 14

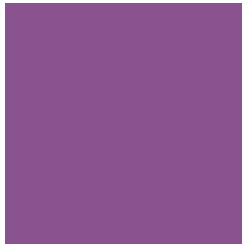


8, 0, 1



# Previews

## White Background



This preview shows how the RYB color 137, 83, 143 looks on a white background.

## Color Contrast Check

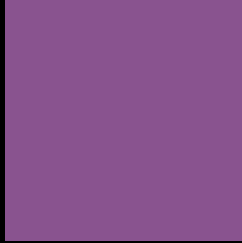
Large Text (above 18pt) WCAG AA ✓ Pass

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 137, 83, 143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

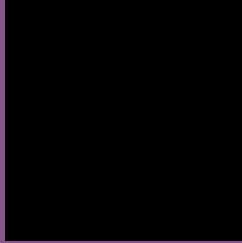
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## R Y B 137, 83, 143 Background



This preview shows how black text looks on a background with the R Y B color 137, 83, 143.

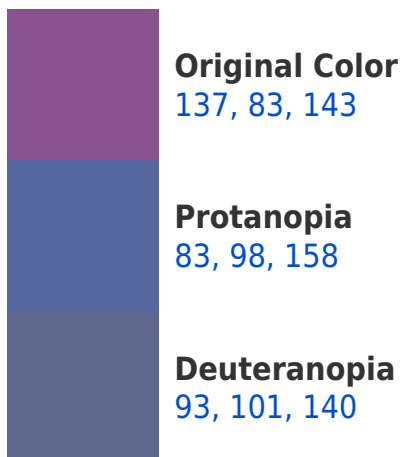



This preview shows how white text looks on a background with the R Y B color 137, 83, 143.

# 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**  
131, 93, 100

# Trichromacy



**Original Color**  
137, 83, 143

**Protanomaly**  
103, 94, 153

**Deuteranomaly**  
109, 95, 141

**Tritanomaly**  
133, 89, 116

# Monochromacy



**Original Color**  
137, 83, 143

**Achromatopsia**  
106, 106, 106

**Achromatomaly**  
117, 98, 119

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 137, 83, 143 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(137, 83, 143)` looks like.

```
.text, #text, p{  
    color:rgb(137, 83, 143)  
}
```

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(137, 83, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 83, 143) }
```

## Border

The CSS property to change the border of an element to RYB 137, 83, 143 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(137, 83, 143) }
```

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

```
.border{ border-color:rgb(137, 83, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 83, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 83, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 83, 143);  
box-shadow:4px 4px 4px 4px rgb(137, 83,  
143) }
```

# Background

The CSS property to change the background color of an element to RGB 137, 83, 143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 83, 143) }
```

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

```
.background{ background-color: rgb(137, 83,  
143) }
```

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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