

Converting Colors

`RYB(137, 100, 159)`

Have a look what the booklet for
RYB(137, 100, 159) contains.

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Color

R_YB(137, 100, 159)

Conversions

Conversions Part 1

Format	Color
Hex	89649F
RGB	137, 100, 159
RGB Percent	54%, 39%, 62%
CMY	0.4627, 0.6078, 0.3765
CMYK	0.14, 0.37, 0.00, 0.38
HSL	278°, 24%, 51%
HSV	278°, 37%, 62%
XYZ	21.1317, 16.9359, 34.9561
YIQ	117.7890, 3.1130, 26.1930

Conversions

Conversions Part 2

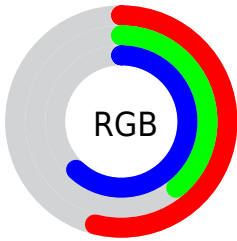
Format	Color
R_{YB}	137, 100, 159
Decimal	9004191
CIE _{Lab}	48.18, 26.27, -26.29
CIE _{LCh}	48, 37.166, 314.973
Yxy	16.9359, 0.2894, 0.2319
Android (android.graphics.Color)	4287194271 (0xFF89649F)
YUV	117.7890, 20.3170, 16.8480
Hunter-Lab	41.1533, 19.6394, -21.5544

Details

The RYB color **137, 100, 159** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **100, 159, 137**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **191, 151, 214**, and **86, 52, 107** is the 20% darker color. If you saturate the color by 10%, you get **131, 84, 159**, and if you desaturate by 10%, it is **143, 116, 159**.

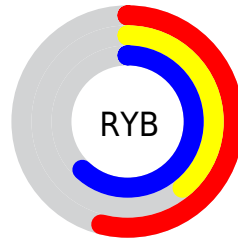
Distribution



Red (54%)

Green (39%)

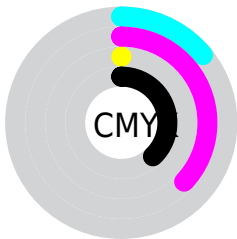
Blue (62%)



Red (54%)

Yellow (39%)

Blue (62%)

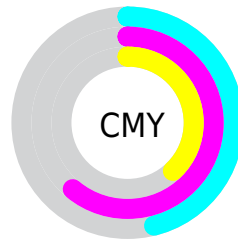


Cyan (14%)

Magenta (37%)

Yellow (0%)

Black (38%)



Cyan (46%)


Magenta (61%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the RYB color 137, 100, 159 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, 100, 159 by changing the saturation by 10% instead.

 137, 100, 159

255, 255, 255


 191, 151, 214

 219, 178, 242

 248, 206, 255

 255, 234, 255

 137, 100, 159

 111, 76, 133

 86, 52, 107


 62, 30, 83


 38, 8, 59


 17, 0, 38

 0, 1, 14

 0, 0, 0

 137, 100, 159

 131, 84, 159

 137, 100, 159

 143, 116, 159

125, 68, 159

149, 132, 159

119, 52, 159

155, 148, 159

113, 36, 159

159, 164, 162

107, 20, 159

159, 179, 171

101, 5, 159

159, 195, 181

100, 0, 159

159, 211, 191

159, 227, 202

159, 243, 212

Harmonies

Analogous

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



91, 108, 175



137, 100, 159



164, 90, 131

Triad

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



137, 100, 159



120, 146, 53



0, 65, 130

Complementary

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



137, 100, 159



100, 159, 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.



31, 90, 129



137, 100, 159



51, 118, 51

Square

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



137, 100, 159



166, 105, 71



68, 125, 110



0, 71, 158

Rectangle

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



137, 100, 159



173, 88, 110



68, 125, 110



0, 68, 130

Sweetspot

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



137, 100, 159



198, 184, 207



100, 117, 159



99, 91, 105



232, 232, 232



105, 105, 105

Same Dimension

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



137, 100, 159



172, 114, 207



159, 100, 152



76, 71, 79



90, 0, 143



10, 0, 15

Inverse Universe

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



159, 100, 122



207, 114, 148



100, 153, 159



79, 71, 74



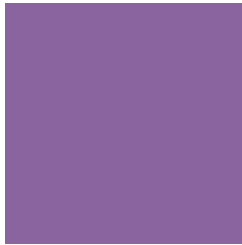
143, 0, 53



15, 0, 6

Previews

White Background



This preview shows how the RYB color 137, 100, 159 looks on a white background.

Color Contrast Check

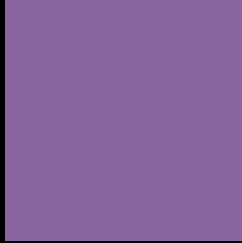
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

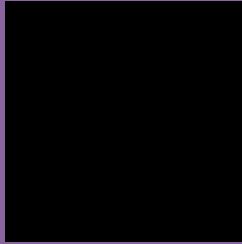
Any Text WCAG AA × Fail

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 137, 100, 159 Background



This preview shows how black text looks on a background with the RYB color 137, 100, 159.



This preview shows how white text looks on a background with the RYB color 137, 100, 159.

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
137, 100, 159

Protanopia
96, 110, 169

Deuteranopia
102, 111, 156



Tritanopia
130, 109, 117

Trichromacy



Original Color

137, 100, 159

Protanomaly

111, 108, 165

Deuteranomaly

115, 108, 157

Tritanomaly

133, 106, 132

Monochromacy



Original Color

137, 100, 159

Achromatopsia

118, 118, 118

Achromatomaly

125, 111, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 100, 159 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, 100, 159)` looks like.

```
.text, #text, p{  
    color:rgb(137, 100, 159)  
}
```

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, 100, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 100, 159) }
```

Border

The CSS property to change the border of an element to RYB 137, 100, 159 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, 100, 159) }
```

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

```
.border{ border-color:rgb(137, 100, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 100, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 100, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 100, 159);  
box-shadow:4px 4px 4px 4px rgb(137, 100,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 137, 100, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 100, 159) }
```

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

```
.background{ background-color: rgb(137,  
100, 159) }
```

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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