

Converting Colors

`RYB(136, 59, 147)`

Have a look what the booklet for
RYB(136, 59, 147) contains.

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Color

R_YB(136, 59, 147)

Conversions

Conversions Part 1

Format	Color
Hex	883B93
RGB	136, 59, 147
RGB Percent	53%, 23%, 58%
CMY	0.4667, 0.7686, 0.4235
CMYK	0.07, 0.60, 0.00, 0.42
HSL	292°, 43%, 40%
HSV	292°, 60%, 58%
XYZ	16.9838, 10.4688, 28.7293
YIQ	92.0550, 17.6440, 43.6920

Conversions

Conversions Part 2

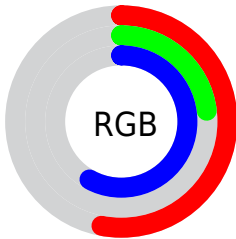
Format	Color
R _Y B	136, 59, 147
Decimal	8928147
CIE Lab	38.67, 45.97, -34.02
CIE LCh	39, 57.190, 323.500
Yxy	10.4688, 0.3023, 0.1863
Android (android.graphics.Color)	4287118227 (0xFF883B93)
YUV	92.0550, 27.0879, 38.5398
Hunter-Lab	32.3555, 37.0748, -29.9964

Details

The RYB color **136, 59, 147** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **59, 147, 136**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **191, 111, 201**, and **83, 0, 96** is the 20% darker color. If you saturate the color by 10%, you get **134, 44, 147**, and if you desaturate by 10%, it is **138, 74, 147**.

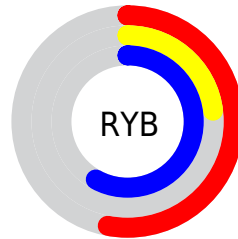
Distribution



Red (53%)

Green (23%)

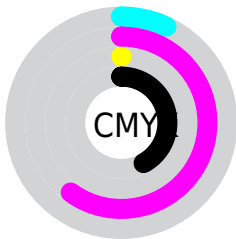
Blue (58%)



Red (53%)

Yellow (23%)

Blue (58%)

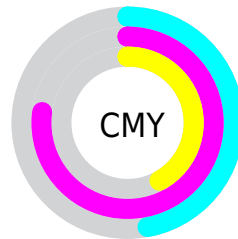


Cyan (7%)

Magenta (60%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (77%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 59, 147 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 136, 59, 147 by changing the saturation by 10% instead.



136, 59, 147



136, 59, 147

255, 255, 255



109, 33, 121



191, 111, 201



83, 0, 96



220, 137, 230



58, 0, 72



249, 164, 255



36, 0, 49



255, 192, 255



0, 1, 27



255, 221, 255



0, 0, 0



255, 250, 255



136, 59, 147



136, 59, 147



134, 44, 147



138, 74, 147

132, 30, 147

140, 88, 147

130, 15, 147

142, 103, 147

129, 0, 147

143, 118, 147

145, 132, 147

147, 147, 147

147, 162, 160

147, 177, 173

147, 191, 185

Harmonies

Analogous

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



63, 80, 177



136, 59, 147



167, 36, 103

Triad

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



136, 59, 147



46, 119, 0



0, 59, 127

Complementary

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



136, 59, 147



59, 147, 136

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, 65, 111



136, 59, 147



0, 99, 23

Square

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



136, 59, 147



152, 100, 10



0, 84, 107



0, 66, 166

Rectangle

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



136, 59, 147



172, 36, 72



0, 84, 107



0, 56, 111

Sweetspot

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



136, 59, 147



187, 157, 191



59, 70, 147



94, 76, 97



224, 224, 224



97, 97, 97

Same Dimension

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



136, 59, 147



174, 54, 191



147, 59, 115



73, 67, 74



120, 0, 138



9, 0, 10

Inverse Universe

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



147, 59, 70



191, 54, 71



59, 124, 147



74, 67, 67



138, 0, 17



10, 0, 1

Previews

White Background



This preview shows how the RYB color 136, 59, 147 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 136, 59, 147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

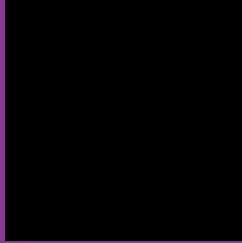
Any Text WCAG AA × Fail

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_YB 136, 59, 147 Background



This preview shows how black text looks on a background with the R_YB color 136, 59, 147.



This preview shows how white text looks on a background with the R_YB color 136, 59, 147.

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
136, 59, 147

Protanopia
43, 77, 175

Deuteranopia
67, 85, 141



Tritanopia
128, 77, 83

Trichromacy



Original Color

136, 59, 147



Protanomaly

77, 78, 165



Deuteranomaly

92, 79, 143



Tritanomaly

131, 70, 106

Monochromacy



Original Color

136, 59, 147



Achromatopsia

92, 92, 92



Achromatomaly

108, 80, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 59, 147 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(136, 59, 147)` looks like.

```
.text, #text, p{  
    color:rgb(136, 59, 147)  
}
```

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(136, 59, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 59, 147) }
```

Border

The CSS property to change the border of an element to RYB 136, 59, 147 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(136, 59, 147) }
```

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

```
.border{ border-color:rgb(136, 59, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 59, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 59, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 59, 147);  
box-shadow:4px 4px 4px 4px rgb(136, 59,  
147) }
```

Background

The CSS property to change the background color of an element to RGB 136, 59, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 59, 147) }
```

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

```
.background{ background-color: rgb(136, 59,  
147) }
```

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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