

Converting Colors

`RYB(127, 65, 139)`

Have a look what the booklet for
RYB(127, 65, 139) contains.

RYB(127, 65, 139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(127, 65, 139)

Conversions

Conversions Part 1

Format	Color
Hex	7F418B
RGB	127, 65, 139
RGB Percent	50%, 25%, 55%
CMY	0.5020, 0.7451, 0.4549
CMYK	0.09, 0.53, 0.00, 0.45
HSL	290°, 36%, 40%
HSV	290°, 53%, 55%
XYZ	15.3029, 10.1567, 25.5800
YIQ	91.9740, 13.1980, 36.1580

Conversions

Conversions Part 2

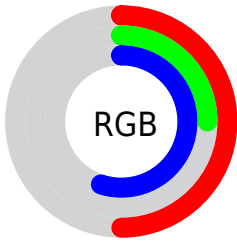
Format	Color
R_{YB}	127, 65, 139
Decimal	8339851
CIE _{Lab}	38.12, 38.72, -30.09
CIE _{LCh}	38, 49.042, 322.147
Yxy	10.1567, 0.2998, 0.1990
Android (android.graphics.Color)	4286529931 (0xFF7F418B)
YUV	91.9740, 23.1838, 30.7178
Hunter-Lab	31.8696, 29.9390, -25.2802

Details

The RYB color **127, 65, 139** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **65, 139, 127**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **181, 115, 193**, and **75, 14, 88** is the 20% darker color. If you saturate the color by 10%, you get **125, 51, 139**, and if you desaturate by 10%, it is **129, 79, 139**.

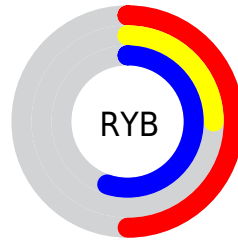
Distribution



Red (50%)

Green (25%)

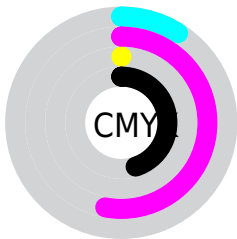
Blue (55%)



Red (50%)

Yellow (25%)

Blue (55%)

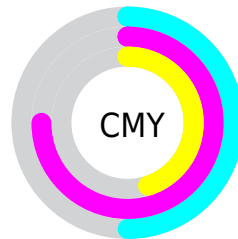


Cyan (9%)

Magenta (53%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (75%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 65, 139 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 127, 65, 139 by changing the saturation by 10% instead.

■ 127, 65, 139

255, 255, 255

■ 181, 115, 193

■ 210, 142, 221

■ 238, 169, 250

■ 255, 196, 255

■ 255, 225, 255

255, 254, 255

■ 127, 65, 139

■ 125, 51, 139

■ 127, 65, 139

■ 101, 40, 113

■ 75, 14, 88

■ 51, 0, 65

■ 30, 0, 42

■ 0, 1, 20

■ 0, 0, 0

■ 127, 65, 139

■ 129, 79, 139

122, 37, 139

132, 93, 139

120, 23, 139

134, 107, 139

118, 9, 139

136, 121, 139

116, 0, 139

138, 134, 139

139, 148, 146

139, 162, 158

139, 176, 170

139, 190, 182

Harmonies

Analogous

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



67, 81, 164



127, 65, 139



155, 49, 102

Triad

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



127, 65, 139



46, 117, 0



0, 57, 119

Complementary

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



127, 65, 139



65, 139, 127

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, 62, 107



127, 65, 139



0, 96, 16

Square

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



127, 65, 139



145, 89, 26



22, 91, 104



0, 62, 152

Rectangle

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



127, 65, 139



160, 48, 75



22, 91, 104



0, 55, 108

Sweetspot

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



127, 65, 139



176, 152, 181



65, 75, 139



89, 74, 92



219, 219, 219



92, 92, 92

Same Dimension

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



127, 65, 139



162, 65, 181



139, 65, 114



68, 62, 69



111, 0, 133



4, 0, 5

Inverse Universe

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



139, 65, 77



181, 65, 84



65, 120, 139



69, 62, 63



133, 0, 22



5, 0, 1

Previews

White Background



This preview shows how the RYB color 127, 65, 139 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 127, 65, 139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

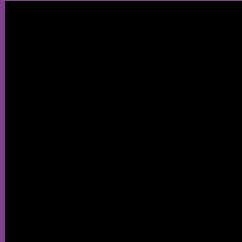
Any Text WCAG AA × Fail

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 127, 65, 139 Background



This preview shows how black text looks on a background with the RYP color 127, 65, 139.



This preview shows how white text looks on a background with the RYP color 127, 65, 139.

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
127, 65, 139

Protanopia
57, 81, 160

Deuteranopia
70, 85, 134



Tritanopia
120, 79, 85

Trichromacy



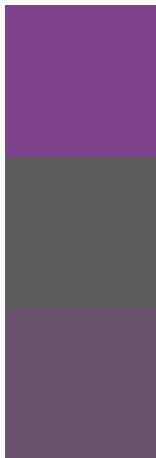
Original Color
127, 65, 139

Protanomaly
82, 80, 152

Deuteranomaly
91, 81, 136

Tritanomaly
123, 74, 105

Monochromacy



Original Color
127, 65, 139

Achromatopsia
92, 92, 92

Achromatomaly
105, 82, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 65, 139 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(127, 65, 139)` looks like.

```
.text, #text, p{  
    color:rgb(127, 65, 139)  
}
```

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(127, 65, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 65, 139) }
```

Border

The CSS property to change the border of an element to RYB 127, 65, 139 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(127, 65, 139) }
```

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

```
.border{ border-color:rgb(127, 65, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 65, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 65, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 65, 139);  
box-shadow:4px 4px 4px 4px rgb(127, 65,  
139) }
```

Background

The CSS property to change the background color of an element to RGB 127, 65, 139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 65, 139) }
```

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

```
.background{ background-color: rgb(127, 65,  
139) }
```

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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