

Converting Colors

`RYB(135, 62, 209)`

Have a look what the booklet for
RYB(135, 62, 209) contains.

RYB(135, 62, 209)	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(135, 62, 209)

Conversions

Conversions Part 1

Format	Color
Hex	873ED1
RGB	135, 62, 209
RGB Percent	53%, 24%, 82%
CMY	0.4706, 0.7569, 0.1804
CMYK	0.35, 0.70, 0.00, 0.18
HSL	270°, 62%, 53%
HSV	270°, 70%, 82%
XYZ	23.2229, 13.1996, 61.6454
YIQ	100.5850, -3.6790, 61.1930

Conversions

Conversions Part 2

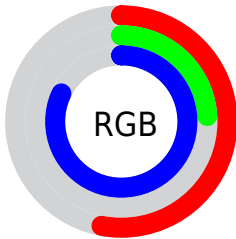
Format	Color
RYB	135, 62, 209
Decimal	8863441
CIELab	43.06, 58.00, -63.62
CIELCh	43, 86.093, 312.354
Yxy	13.1996, 0.2368, 0.1346
Android (android.graphics.Color)	4287053521 (0xFF873ED1)
YUV	100.5850, 53.4486, 30.1820
Hunter-Lab	36.3312, 50.5175, -75.1690

Details

The RYB color **135, 62, 209** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **62, 209, 135**, and the grayscale version is **100, 100, 100**.

A 20% lighter version of the original color is **193, 115, 255**, and **77, 0, 153** is the 20% darker color. If you saturate the color by 10%, you get **124, 41, 209**, and if you desaturate by 10%, it is **146, 83, 209**.

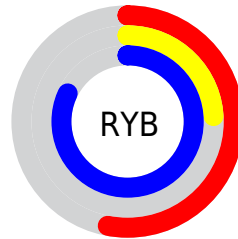
Distribution



Red (53%)

Green (24%)

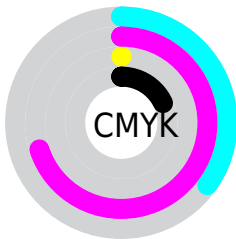
Blue (82%)



Red (53%)

Yellow (24%)

Blue (82%)

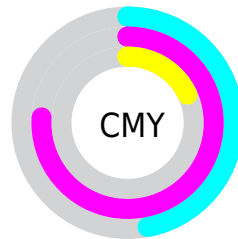


Cyan (35%)

Magenta (70%)

Yellow (0%)

Black (18%)



Cyan (47%)


Magenta (76%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 62, 209 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 135, 62, 209 by changing the saturation by 10% instead.

 135, 62, 209

 135, 62, 209

255, 255, 255

 106, 34, 181

 193, 115, 255

 77, 0, 153

 223, 142, 255

 46, 0, 127

 253, 170, 255

 6, 0, 101

 255, 198, 255

 0, 0, 76

 255, 227, 255

 0, 4, 52

 0, 2, 30

 0, 0, 0

 135, 62, 209

 135, 62, 209

■ 124, 41, 209

■ 146, 83, 209

■ 114, 20, 209

■ 156, 104, 209

■ 104, 0, 209

■ 167, 125, 209

■ 177, 146, 209

■ 188, 167, 209

■ 198, 187, 209

■ 209, 208, 209

■ 209, 229, 219

■ 209, 250, 229

Harmonies

Analogous

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



0, 72, 244



135, 62, 209



203, 0, 147

Triad

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



135, 62, 209



146, 158, 0



0, 65, 131

Complementary

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



135, 62, 209



62, 209, 135

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, 89, 127



135, 62, 209



0, 108, 10

Square

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



135, 62, 209



201, 31, 0



0, 121, 121



0, 78, 198

Rectangle

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



135, 62, 209



219, 0, 100



0, 121, 121



0, 71, 129

Sweetspot

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



135, 62, 209



228, 201, 255



62, 112, 209



111, 96, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 62, 209



147, 41, 255



207, 62, 209



99, 94, 105



84, 0, 168



20, 0, 41

Inverse Universe

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



209, 62, 136



255, 41, 149



62, 209, 207



105, 94, 99



168, 0, 85



41, 0, 21

Previews

White Background



This preview shows how the RYB color 135, 62, 209 looks on a white background.

Color Contrast Check

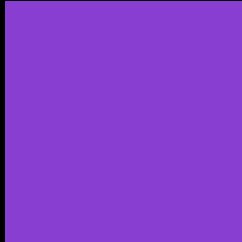
Large Text (above 18pt) WCAG AA ✓ Pass

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 135, 62, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

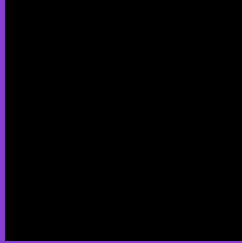
Any Text WCAG AA × Fail

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 135, 62, 209 Background



This preview shows how black text looks on a background with the RYP color 135, 62, 209.

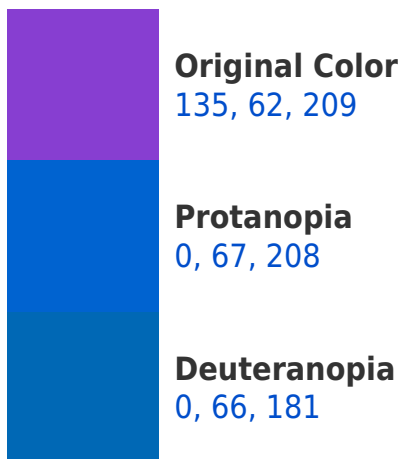


This preview shows how white text looks on a background with the RYP color 135, 62, 209.

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
114, 97, 105

Trichromacy



Original Color

135, 62, 209



Protanomaly

49, 78, 208



Deuteranomaly

49, 80, 191



Tritanomaly

122, 84, 143

Monochromacy



Original Color

135, 62, 209



Achromatopsia

101, 101, 101



Achromatomaly

113, 87, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 62, 209 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(135, 62, 209)` looks like.

```
.text, #text, p{  
    color:rgb(135, 62, 209)  
}
```

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(135, 62, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 62, 209) }
```

Border

The CSS property to change the border of an element to RYB 135, 62, 209 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(135, 62, 209) }
```

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

```
.border{ border-color:rgb(135, 62, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 62, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 62, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 62, 209);  
box-shadow:4px 4px 4px 4px rgb(135, 62,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 135, 62, 209 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 62, 209) }
```

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

```
.background{ background-color: rgb(135, 62,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor