

Converting Colors

`RYB(135, 112, 207)`

Have a look what the booklet for
RYB(135, 112, 207) contains.

RYB(135, 112, 207)	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, 112, 207)

Conversions

Conversions Part 1

Format	Color
Hex	8770CF
RGB	135, 112, 207
RGB Percent	53%, 44%, 81%
CMY	0.4706, 0.5608, 0.1882
CMYK	0.35, 0.46, 0.00, 0.19
HSL	255°, 50%, 63%
HSV	255°, 46%, 81%
XYZ	27.0483, 21.2442, 61.7064
YIQ	129.7070, -16.7870, 34.4210

Conversions

Conversions Part 2

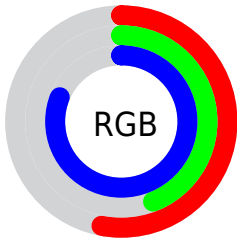
Format	Color
RYB	135, 112, 207
Decimal	8876239
CIELab	53.22, 30.54, -46.17
CIELCh	53, 55.355, 303.480
Yxy	21.2442, 0.2459, 0.1931
Android (android.graphics.Color)	4287066319 (0xFF8770CF)
YUV	129.7070, 38.1054, 4.6420
Hunter-Lab	46.0915, 24.0909, -47.1124

Details

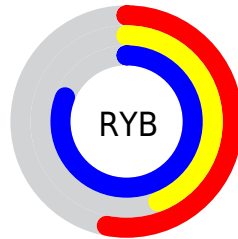
The RYB color **135, 112, 207** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **112, 207, 135**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **191, 164, 255**, and **81, 64, 152** is the 20% darker color. If you saturate the color by 10%, you get **119, 91, 207**, and if you desaturate by 10%, it is **151, 133, 207**.

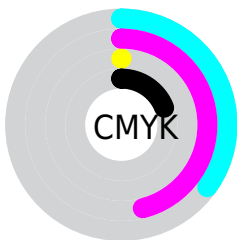
Distribution



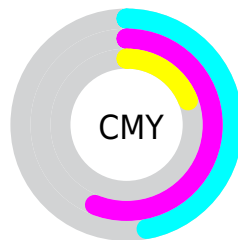
- Red (53%)
- Green (44%)
- Blue (81%)



- Red (53%)
- Yellow (44%)
- Blue (81%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)



- Cyan (47%)
- Magenta (56%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the RYB color 135, 112, 207 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, 112, 207 by changing the saturation by 10% instead.

 135, 112, 207

255, 255, 255

 191, 164, 255


 220, 191, 255

 249, 219, 255

 255, 248, 255

 135, 112, 207

 108, 87, 179

 81, 64, 152

 54, 41, 126

 23, 20, 100


 0, 0, 76

 0, 3, 52

 0, 2, 30

 0, 0, 0

 135, 112, 207

 135, 112, 207

■ 119, 91, 207

■ 151, 133, 207

■ 104, 71, 207

■ 166, 153, 207

■ 88, 50, 207

■ 182, 174, 207

■ 72, 29, 207

■ 198, 195, 207

■ 57, 8, 207

■ 207, 216, 210

■ 50, 0, 207

■ 207, 236, 214

■ 207, 255, 217

■ 207, 255, 207

Harmonies

Analogous

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



0, 82, 222



135, 112, 207



189, 91, 170

Triad

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



135, 112, 207



184, 174, 39



0, 80, 150

Complementary

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



135, 112, 207



112, 207, 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, 94, 147



135, 112, 207



39, 146, 17

Square

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



135, 112, 207



208, 91, 77



40, 139, 82



0, 81, 178

Rectangle

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



135, 112, 207



207, 82, 140



40, 139, 82



0, 84, 149

Sweetspot

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



135, 112, 207



228, 219, 255



112, 153, 207



111, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 112, 207



149, 115, 255



182, 112, 207



97, 94, 105



41, 0, 168



10, 0, 41

Inverse Universe

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



207, 112, 184



255, 115, 221



112, 207, 182



105, 94, 102



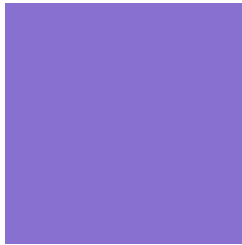
168, 0, 128



41, 0, 31

Previews

White Background



This preview shows how the RYB color 135, 112, 207 looks on a white background.

Color Contrast Check

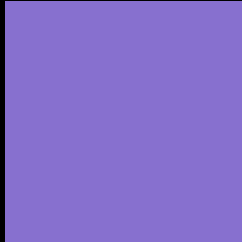
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 135, 112, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

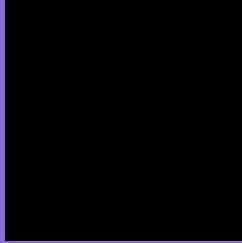
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 135, 112, 207 Background



This preview shows how black text looks on a background with the RYB color 135, 112, 207.

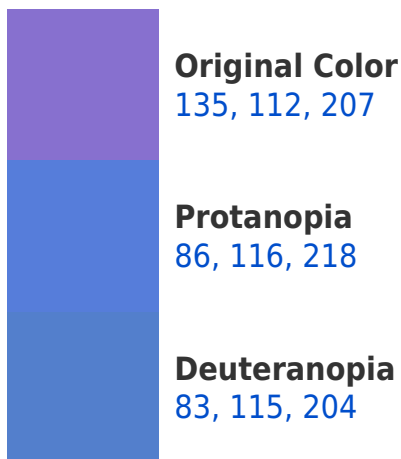


This preview shows how white text looks on a background with the RYB color 135, 112, 207.

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
120, 126, 138

Trichromacy



Original Color
135, 112, 207

Protanomaly
104, 118, 214

Deuteranomaly
102, 119, 205

Tritanomaly
125, 122, 163

Monochromacy



Original Color
135, 112, 207

Achromatopsia
130, 130, 130

Achromatomaly
132, 123, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 112, 207 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, 112, 207)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 207)  
}
```

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, 112, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 207) }
```

Border

The CSS property to change the border of an element to RYB 135, 112, 207 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, 112, 207) }
```

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

```
.border{ border-color:rgb(135, 112, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 112, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 207);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 135, 112, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 207) }
```

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

```
.background{ background-color: rgb(135,  
112, 207) }
```

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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