

Converting Colors

`RYB(135, 109, 203)`

Have a look what the booklet for
RYB(135, 109, 203) contains.

RYB(135, 109, 203)	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, 109, 203)

Conversions

Conversions Part 1

Format	Color
Hex	876DCB
RGB	135, 109, 203
RGB Percent	53%, 43%, 80%
CMY	0.4706, 0.5725, 0.2039
CMYK	0.33, 0.46, 0.00, 0.20
HSL	257°, 47%, 61%
HSV	257°, 46%, 80%
XYZ	26.2398, 20.4000, 59.0545
YIQ	127.4900, -14.6780, 34.7460

Conversions

Conversions Part 2

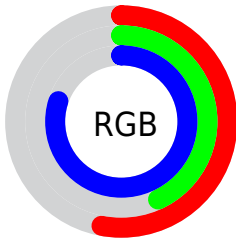
Format	Color
RYB	135, 109, 203
Decimal	8875467
CIELab	52.29, 31.23, -45.37
CIELCh	52, 55.078, 304.544
Yxy	20.4000, 0.2483, 0.1930
Android (android.graphics.Color)	4287065547 (0xFF876DCB)
YUV	127.4900, 37.2264, 6.5863
Hunter-Lab	45.1663, 24.6602, -45.9046

Details

The RYB color **135, 109, 203** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **109, 203, 135**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **191, 161, 255**, and **81, 61, 148** is the 20% darker color. If you saturate the color by 10%, you get **120, 89, 203**, and if you desaturate by 10%, it is **150, 129, 203**.

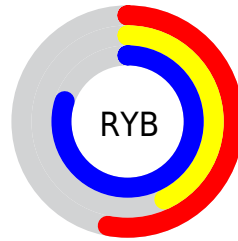
Distribution



Red (53%)

Green (43%)

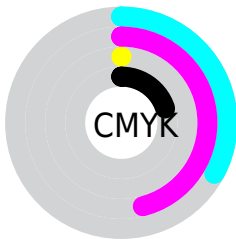
Blue (80%)



Red (53%)

Yellow (43%)

Blue (80%)

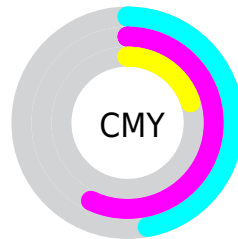


Cyan (33%)

Magenta (46%)

Yellow (0%)

Black (20%)



Cyan (47%)

Magenta (57%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 109, 203 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, 109, 203 by changing the saturation by 10% instead.

 135, 109, 203

 135, 109, 203

255, 255, 255

 108, 84, 175

 191, 161, 255

 81, 61, 148

 219, 188, 255

 54, 38, 122

 249, 216, 255

 25, 17, 97

 255, 245, 255


 0, 0, 72

 0, 4, 49

 0, 1, 27


 0, 0, 0

 135, 109, 203

 135, 109, 203

 120, 89, 203

 150, 129, 203

 106, 68, 203

 164, 150, 203

 91, 48, 203

 179, 170, 203

 76, 28, 203

 194, 190, 203

 62, 8, 203

 203, 211, 206

 56, 0, 203

 203, 231, 211

 203, 251, 216

 203, 255, 206

 203, 255, 203

Harmonies

Analogous

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



0, 81, 219



135, 109, 203



187, 88, 166

Triad

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



135, 109, 203



180, 176, 36



0, 78, 147

Complementary

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



135, 109, 203



109, 203, 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, 92, 144



135, 109, 203



34, 142, 14

Square

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



135, 109, 203



205, 90, 74



39, 137, 83



0, 80, 177

Rectangle

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



135, 109, 203



205, 80, 135



39, 137, 83



0, 82, 146

Sweetspot

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



135, 109, 203



229, 219, 255



109, 149, 203



112, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 109, 203



152, 112, 255



181, 109, 203



95, 92, 102



46, 0, 166



11, 0, 38

Inverse Universe

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



203, 109, 177



255, 112, 216



109, 203, 181



102, 92, 99



166, 0, 120



38, 0, 28

Previews

White Background



This preview shows how the RYB color 135, 109, 203 looks on a white background.

Color Contrast Check

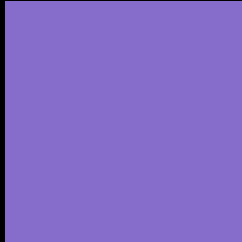
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109, 203 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, 109, 203 Background



This preview shows how black text looks on a background with the RYB color 135, 109, 203.

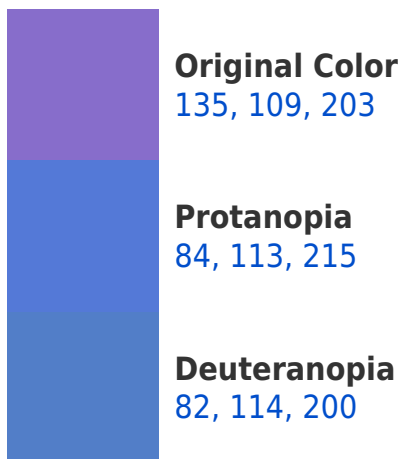


This preview shows how white text looks on a background with the RYB color 135, 109, 203.

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
121, 124, 135

Trichromacy



Original Color
135, 109, 203

Protanomaly
103, 115, 211

Deuteranomaly
101, 116, 201

Tritanomaly
126, 119, 160

Monochromacy



Original Color
135, 109, 203

Achromatopsia
127, 127, 127

Achromatomaly
130, 120, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 109, 203 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, 109, 203)` looks like.

```
.text, #text, p{  
    color:rgb(135, 109, 203)  
}
```

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, 109, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 109, 203) }
```

Border

The CSS property to change the border of an element to RYB 135, 109, 203 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, 109, 203) }
```

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

```
.border{ border-color:rgb(135, 109, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 109, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 109, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 109, 203);  
box-shadow:4px 4px 4px 4px rgb(135, 109,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 135, 109, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 109, 203) }
```

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

```
.background{ background-color: rgb(135,  
109, 203) }
```

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