

Converting Colors

`RYB(135, 96, 205)`

Have a look what the booklet for
RYB(135, 96, 205) contains.

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Color

R_YB(135, 96, 205)

Conversions

Conversions Part 1

Format	Color
Hex	8760CD
RGB	135, 96, 205
RGB Percent	53%, 38%, 80%
CMY	0.4706, 0.6235, 0.1961
CMYK	0.34, 0.53, 0.00, 0.20
HSL	261°, 52%, 59%
HSV	261°, 53%, 80%
XYZ	25.1940, 17.9244, 59.8895
YIQ	120.0870, -11.7450, 42.1670

Conversions

Conversions Part 2

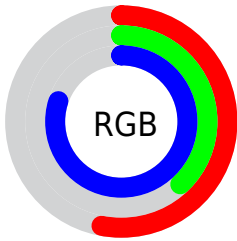
Format	Color
R_{YB}	135, 96, 205
Decimal	8872141
CIE _{Lab}	49.40, 39.27, -51.10
CIE _{LCh}	49, 64.448, 307.542
Yxy	17.9244, 0.2446, 0.1740
Android (android.graphics.Color)	4287062221 (0xFF8760CD)
YUV	120.0870, 41.8621, 13.0787
Hunter-Lab	42.3372, 32.1314, -54.2345

Details

The RYB color **135, 96, 205** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **96, 205, 135**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **191, 148, 255**, and **80, 48, 150** is the 20% darker color. If you saturate the color by 10%, you get **122, 76, 205**, and if you desaturate by 10%, it is **148, 117, 205**.

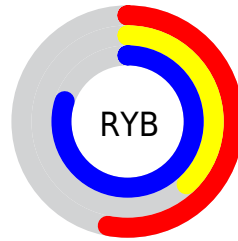
Distribution



Red (53%)

Green (38%)

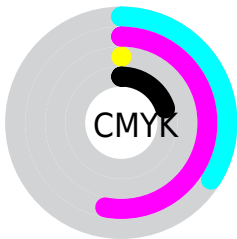
Blue (80%)



Red (53%)

Yellow (38%)

Blue (80%)

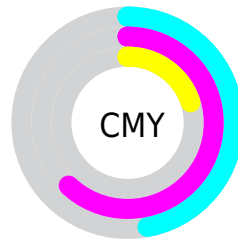


Cyan (34%)

Magenta (53%)

Yellow (0%)

Black (20%)



Cyan (47%)


Magenta (62%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 96, 205 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, 96, 205 by changing the saturation by 10% instead.

 135, 96, 205


 135, 96, 205

255, 255, 255

 107, 71, 177

 191, 148, 255

 80, 48, 150

 220, 175, 255

 52, 24, 124

 250, 202, 255

 20, 1, 98

 255, 231, 255

 0, 0, 74

 0, 4, 50

 0, 1, 28


 0, 0, 0


 135, 96, 205

 135, 96, 205

 122, 76, 205


 148, 117, 205

 109, 55, 205

 161, 137, 205


 96, 35, 205

 174, 158, 205

 82, 14, 205

 188, 178, 205

 73, 0, 205

 201, 199, 205

 205, 219, 210

 205, 240, 218

 205, 255, 220

 205, 255, 207

Harmonies

Analogous

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



0, 79, 227



135, 96, 205



192, 68, 160

Triad

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



135, 96, 205



132, 174, 0



0, 74, 142

Complementary

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



135, 96, 205



96, 205, 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, 91, 139



135, 96, 205



10, 129, 0

Square

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



135, 96, 205



205, 76, 53



11, 132, 73



0, 80, 183

Rectangle

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



135, 96, 205



210, 56, 124



11, 132, 73



0, 79, 141

Sweetspot

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



135, 96, 205



229, 214, 255



96, 139, 205



112, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 96, 205



150, 92, 255



189, 96, 205



95, 92, 102



59, 0, 166



14, 0, 38

Inverse Universe

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



205, 96, 166



255, 92, 197



96, 205, 189



102, 92, 98



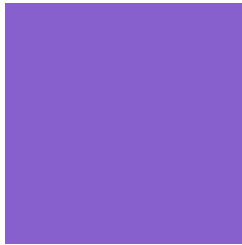
166, 0, 106



38, 0, 25

Previews

White Background



This preview shows how the RYB color 135, 96, 205 looks on a white background.

Color Contrast Check

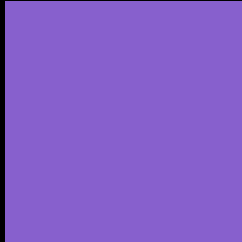
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96, 205 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, 96, 205 Background



This preview shows how black text looks on a background with the RYB color 135, 96, 205.



This preview shows how white text looks on a background with the RYB color 135, 96, 205.

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
135, 96, 205

Protanopia
57, 99, 223

Deuteranopia
57, 100, 200



Tritanopia
119, 116, 125

Trichromacy



Original Color

135, 96, 205



Protanomaly

85, 104, 216



Deuteranomaly

85, 106, 202



Tritanomaly

125, 109, 154

Monochromacy



Original Color

135, 96, 205



Achromatopsia

120, 120, 120



Achromatomaly

125, 111, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 96, 205 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, 96, 205)` looks like.

```
.text, #text, p{  
    color:rgb(135, 96, 205)  
}
```

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, 96, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 96, 205) }
```

Border

The CSS property to change the border of an element to RYB 135, 96, 205 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, 96, 205) }
```

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

```
.border{ border-color:rgb(135, 96, 205) }
```

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

Here you see how a box with a 4 pixel rgb(135, 96, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 96, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 96, 205);  
box-shadow:4px 4px 4px 4px rgb(135, 96,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 135, 96, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 96, 205) }
```

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

```
.background{ background-color: rgb(135, 96,  
205) }
```

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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