

Converting Colors

`RYB(135, 66, 133)`

Have a look what the booklet for
RYB(135, 66, 133) contains.

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Color

R_YB(135, 66, 133)

Conversions

Conversions Part 1

Format	Color
Hex	874285
RGB	135, 66, 133
RGB Percent	53%, 26%, 52%
CMY	0.4706, 0.7412, 0.4784
CMYK	0.00, 0.51, 0.01, 0.47
HSL	302°, 34%, 39%
HSV	302°, 51%, 53%
XYZ	16.1735, 10.7408, 23.4110
YIQ	94.2690, 19.6170, 35.4650

Conversions

Conversions Part 2

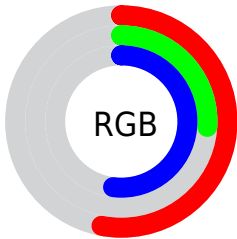
Format	Color
R_{YB}	135, 66, 133
Decimal	8864389
CIE _{Lab}	39.14, 39.40, -24.75
CIE _{LCh}	39, 46.525, 327.866
Yxy	10.7408, 0.3214, 0.2134
Android (android.graphics.Color)	4287054469 (0xFF874285)
YUV	94.2690, 19.0944, 35.7211
Hunter-Lab	32.7731, 30.7367, -19.4118

Details

The RYB color **135, 66, 133** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **66, 133, 135**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **190, 117, 186**, and **83, 14, 83** is the 20% darker color. If you saturate the color by 10%, you get **135, 53, 133**, and if you desaturate by 10%, it is **135, 80, 133**.

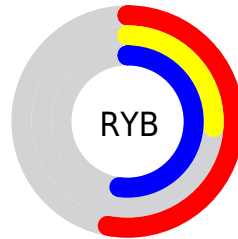
Distribution



Red (53%)

Green (26%)

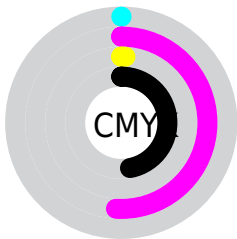
Blue (52%)



Red (53%)

Yellow (26%)

Blue (52%)

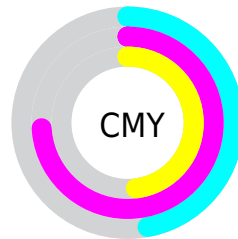


Cyan (0%)

Magenta (51%)

Yellow (1%)

Black (47%)



Cyan (47%)

Magenta (74%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 66, 133 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, 66, 133 by changing the saturation by 10% instead.



135, 66, 133



135, 66, 133

255, 255, 255



109, 41, 108



190, 117, 186



83, 14, 83



218, 143, 214



58, 0, 60



247, 170, 243



38, 0, 38



255, 198, 255



0, 1, 14



255, 227, 255



0, 0, 0



135, 66, 133



135, 66, 133



135, 53, 133



135, 80, 133



135, 39, 132



135, 93, 134

■ 135, 26, 132

■ 135, 107, 134

■ 135, 12, 131

■ 135, 120, 135

■ 135, 0, 131

■ 135, 134, 135

■ 135, 147, 147

■ 135, 160, 161

■ 135, 173, 174

■ 135, 185, 187

Harmonies

Analogous

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



86, 83, 159



135, 66, 133



157, 55, 97

Triad

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



135, 66, 133



32, 113, 1



0, 59, 127

Complementary

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



135, 66, 133



66, 133, 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, 61, 110



135, 66, 133



15, 100, 39

Square

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



135, 66, 133



142, 108, 26



11, 79, 107



0, 63, 156

Rectangle

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



135, 66, 133



160, 56, 71



11, 79, 107



0, 56, 114

Sweetspot

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



135, 66, 133



176, 150, 175



67, 66, 135



89, 73, 89



217, 217, 217



89, 89, 89

Same Dimension

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



135, 66, 133



176, 69, 173



135, 66, 99



66, 60, 66



130, 0, 126



3, 0, 2

Inverse Universe

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



135, 66, 133



176, 69, 173



66, 111, 135



66, 60, 66



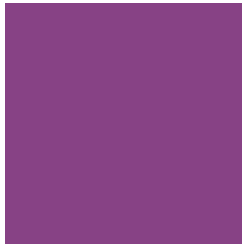
130, 0, 126



3, 0, 2

Previews

White Background



This preview shows how the RYB color 135, 66, 133 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, 66, 133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

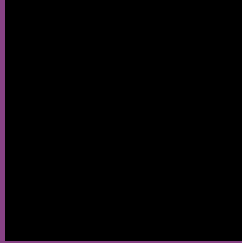
Any Text WCAG AA × Fail

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](#).

RYB 135, 66, 133 Background



This preview shows how black text looks on a background with the RYB color 135, 66, 133.

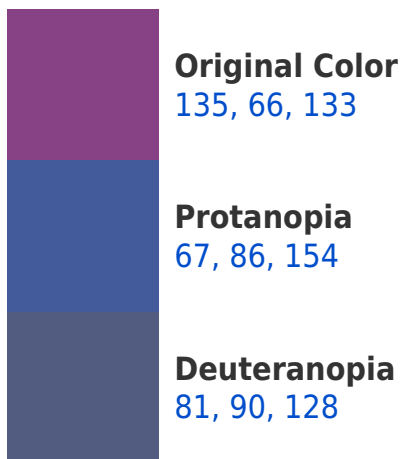



This preview shows how white text looks on a background with the RYB color 135, 66, 133.

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
129, 78, 84

Trichromacy



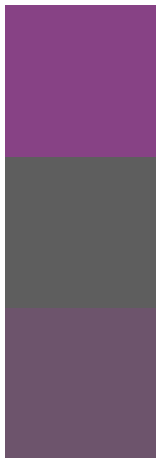
Original Color
135, 66, 133

Protanomaly
92, 82, 146

Deuteranomaly
101, 83, 130

Tritanomaly
131, 74, 102

Monochromacy



Original Color
135, 66, 133

Achromatopsia
94, 94, 94

Achromatomaly
109, 84, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 66, 133 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, 66, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 66, 133)  
}
```

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, 66, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 66, 133) }
```

Border

The CSS property to change the border of an element to RYB 135, 66, 133 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, 66, 133) }
```

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

```
.border{ border-color:rgb(135, 66, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 66, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 66, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 66, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 66,  
133) }
```

Background

The CSS property to change the background color of an element to RGB 135, 66, 133 is called "background".

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

```
.background, #background, body{  
background: rgb(135, 66, 133) }
```

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

```
.background{ background-color: rgb(135, 66,  
133) }
```

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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