

Converting Colors

`RYB(133, 117, 185)`

Have a look what the booklet for
RYB(133, 117, 185) contains.

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Color

R_YB(133, 117, 185)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 8575B9 |
| RGB | 133, 117, 185 |
| RGB Percent | 52%, 46%, 73% |
| CMY | 0.4784, 0.5412, 0.2745 |
| CMYK | 0.28, 0.37, 0.00, 0.27 |
| HSL | 254°, 33%, 59% |
| HSV | 254°, 37%, 73% |
| XYZ | 24.7911, 21.2119, 48.6866 |
| YIQ | 129.5360, -12.2920, 24.5400 |

Conversions

Conversions Part 2

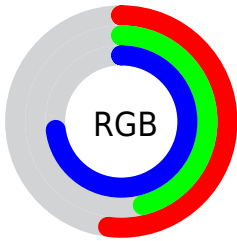
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 133, 117, 185 |
| Decimal | 8746425 |
| CIE _{Lab} | 53.18, 21.27, -33.66 |
| CIE _{LCh} | 53, 39.818, 302.291 |
| Yxy | 21.2119, 0.2618, 0.2240 |
| Android (android.graphics.Color) | 4286936505 (0xFF8575B9) |
| YUV | 129.5360, 27.3438, 3.0379 |
| Hunter-Lab | 46.0564, 15.4838, -30.4365 |

Details

The RYB color **133, 117, 185** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **117, 185, 133**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **187, 169, 241**, and **81, 69, 132** is the 20% darker color. If you saturate the color by 10%, you get **119, 99, 185**, and if you desaturate by 10%, it is **147, 136, 185**.

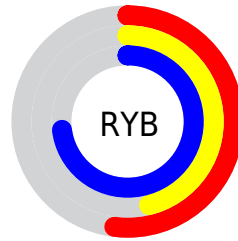
Distribution



Red (52%)

Green (46%)

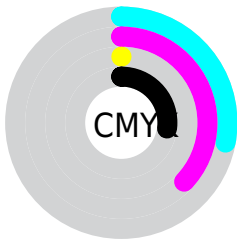
Blue (73%)



Red (52%)

Yellow (46%)

Blue (73%)

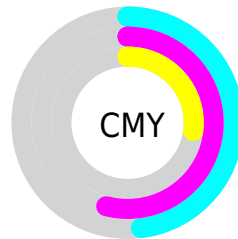


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (54%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 117, 185 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 133, 117, 185 by changing the saturation by 10% instead.

 133, 117, 185


255, 255, 255

 187, 169, 241


 216, 196, 255

 245, 224, 255


 255, 253, 255

 133, 117, 185

 107, 92, 158

 81, 69, 132

 56, 46, 106

 31, 25, 81


 7, 0, 58

 0, 2, 36

 0, 0, 11

 0, 0, 0

 133, 117, 185

 133, 117, 185

119, 99, 185

147, 136, 185

105, 80, 185

161, 154, 185

91, 61, 185

175, 173, 185

76, 43, 185

185, 191, 186

62, 24, 185

185, 210, 191

48, 6, 185

185, 228, 195

44, 0, 185

185, 246, 199

185, 255, 194

185, 255, 185

Harmonies

Analogous

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



72, 111, 195



133, 117, 185



172, 104, 159

Triad

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



133, 117, 185



173, 151, 67



0, 76, 144

Complementary

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



133, 117, 185



117, 185, 133

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.



65, 121, 142



133, 117, 185



80, 145, 56

Square

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



133, 117, 185



189, 103, 92



67, 136, 93



0, 76, 163

Rectangle

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



133, 117, 185



186, 99, 137



67, 136, 93



1, 80, 144

Sweetspot

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



133, 117, 185



220, 213, 240



117, 146, 185



108, 104, 120



247, 247, 247



120, 120, 120

Same Dimension

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



133, 117, 185



159, 134, 240



167, 117, 185



85, 83, 92



37, 0, 156



7, 0, 28

Inverse Universe

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



185, 117, 169



240, 134, 215



117, 185, 167



92, 83, 90



156, 0, 119



28, 0, 21

Previews

White Background



This preview shows how the RYB color 133, 117, 185 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 133, 117, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

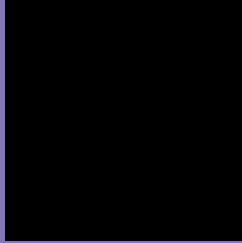
Any Text WCAG AA ✓ Pass

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 133, 117, 185 Background



This preview shows how black text looks on a background with the RYB color 133, 117, 185.



This preview shows how white text looks on a background with the RYB color 133, 117, 185.

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
133, 117, 185

Protanopia
104, 121, 192

Deuteranopia
105, 122, 183



Tritanopia
124, 126, 137

Trichromacy



Original Color
133, 117, 185

Protanomaly
115, 121, 189

Deuteranomaly
115, 122, 184

Tritanomaly
127, 123, 154

Monochromacy



Original Color
133, 117, 185

Achromatopsia
130, 130, 130

Achromatomaly
131, 125, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 117, 185 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(133, 117, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 117, 185)  
}
```

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(133, 117, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 117, 185) }
```

Border

The CSS property to change the border of an element to RYB 133, 117, 185 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(133, 117, 185) }
```

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

```
.border{ border-color:rgb(133, 117, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 117, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 117, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 117, 185); box-shadow:4px 4px 4px 4px rgb(133, 117, 185) }
```

Background

The CSS property to change the background color of an element to RYB 133, 117, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 117, 185) }
```

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

```
.background{ background-color: rgb(133,  
117, 185) }
```

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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