

Converting Colors

`RYB(119, 131, 185)`

Have a look what the booklet for
RYB(119, 131, 185) contains.

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Color

$\text{RYB}(119, 131, 185)$

Conversions

Conversions Part 1

Format	Color
Hex	7786B9
RGB	119, 134, 185
RGB Percent	47%, 53%, 73%
CMY	0.5333, 0.4758, 0.2745
CMYK	0.36, 0.28, 0.00, 0.27
HSL	227°, 32%, 60%
HSV	227°, 36%, 73%
XYZ	24.8438, 24.3829, 49.2959
YIQ	135.3290, -25.3110, 12.6810

Conversions

Conversions Part 2

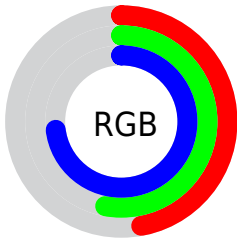
Format	Color
R_{YB}	119, 131, 185
Decimal	7833273
CIE Lab	56.47, 7.32, -28.63
CIE LCh	56, 29.548, 284.351
Yxy	24.3829, 0.2522, 0.2475
Android (android.graphics.Color)	4286023353 (0xFF7786B9)
YUV	135.3290, 24.4878, -14.3205
Hunter-Lab	49.3791, 3.3943, -24.6248

Details

The RYB color **119, 131, 185** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **138, 185, 119**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **173, 185, 241**, and **67, 81, 132** is the 20% darker color. If you saturate the color by 10%, you get **101, 116, 185**, and if you desaturate by 10%, it is **138, 146, 185**.

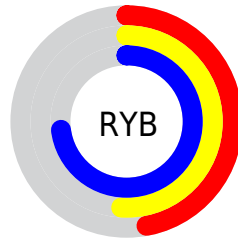
Distribution



Red (47%)

Green (53%)

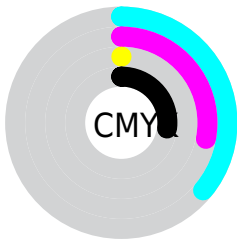
Blue (73%)



Red (47%)

Yellow (51%)

Blue (73%)

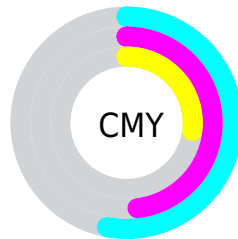


Cyan (36%)

Magenta (28%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 131, 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 119, 131, 185 by changing the saturation by 10% instead.

■ 119, 131, 185

255, 255, 255

■ 173, 185, 241

■ 201, 211, 255

■ 230, 239, 255

■ 119, 131, 185

■ 93, 105, 158

■ 67, 80, 132

■ 42, 57, 106

■ 13, 32, 82

■ 0, 15, 58


■ 0, 2, 37

■ 0, 1, 13


■ 0, 0, 0

■ 119, 131, 185

■ 119, 131, 185

 101, 116, 185

 138, 146, 185

 82, 101, 185

 156, 161, 185

 63, 85, 185

 175, 177, 185

 45, 70, 185

 188, 193, 185

 26, 55, 185

 193, 212, 185

 8, 40, 185

 198, 230, 185

 0, 34, 185

 205, 249, 185

 192, 255, 185

 185, 255, 185

Harmonies

Analogous

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



78, 118, 184



119, 131, 185



154, 124, 172

Triad

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



119, 131, 185



181, 128, 101



80, 122, 148

Complementary

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



119, 131, 185



138, 185, 119

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.



98, 144, 130



119, 131, 185



152, 165, 86

Square

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



119, 131, 185



186, 116, 124



87, 140, 85



49, 100, 149

Rectangle

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



119, 131, 185



171, 119, 158



87, 140, 85



91, 132, 147

Sweetspot

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



119, 131, 185



213, 218, 240



119, 156, 185



104, 107, 120



247, 247, 247



120, 120, 120

Same Dimension

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



119, 131, 185



137, 156, 240



137, 119, 185



83, 85, 92



0, 29, 156



0, 5, 28

Inverse Universe

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



185, 119, 134



240, 137, 160



119, 185, 137



92, 83, 85



156, 0, 35



28, 0, 6

Previews

White Background



This preview shows how the RYB color 119, 131, 185 looks on a white background.

Color Contrast Check

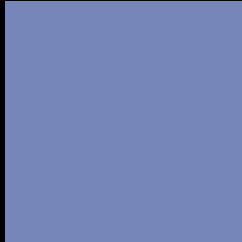
Large Text (above 18pt) WCAG AA ✓ Pass

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 119, 131, 185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

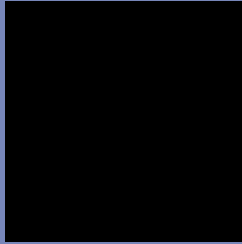
Any Text WCAG AA ✓ Pass

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 119, 131, 185 Background



This preview shows how black text looks on a background with the RYB color 119, 131, 185.



This preview shows how white text looks on a background with the RYB color 119, 131, 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

119, 131, 185

Protanopia

120, 131, 185

Deuteranopia

120, 131, 185



Tritanopia
111, 128, 151

Trichromacy



Original Color
119, 131, 185

Protanomaly
120, 131, 185

Deuteranomaly
120, 131, 185

Tritanomaly
114, 130, 163

Monochromacy



Original Color
119, 131, 185

Achromatopsia
135, 135, 135

Achromatomaly
129, 134, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 131, 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(119, 134, 185)` looks like.

```
.text, #text, p{  
    color:rgb(119, 134, 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(119, 134, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 134, 185) }
```

Border

The CSS property to change the border of an element to RYB 119, 131, 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(119, 134, 185) }
```

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

```
.border{ border-color:rgb(119, 134, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 134, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 134, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 134, 185); box-shadow:4px 4px 4px 4px rgb(119, 134, 185) }
```

Background

The CSS property to change the background color of an element to RYB 119, 131, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 134, 185) }
```

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

```
.background{ background-color: rgb(119,  
134, 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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