

Converting Colors

`RYB(117, 100, 131)`

Have a look what the booklet for
RYB(117, 100, 131) contains.

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Color

R_YB(117, 100, 131)

Conversions

Conversions Part 1

Format	Color
Hex	756483
RGB	117, 100, 131
RGB Percent	46%, 39%, 51%
CMY	0.5412, 0.6078, 0.4863
CMYK	0.11, 0.24, 0.00, 0.49
HSL	273°, 13%, 45%
HSV	273°, 24%, 51%
XYZ	15.9900, 14.5349, 23.4355
YIQ	108.6170, 0.1810, 13.2450

Conversions

Conversions Part 2

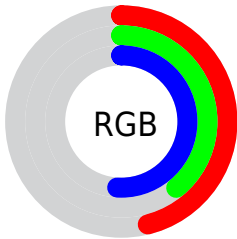
Format	Color
R_{YB}	117, 100, 131
Decimal	7693443
CIE _{Lab}	44.99, 13.13, -14.70
CIE _{LCh}	45, 19.711, 311.766
Yxy	14.5349, 0.2963, 0.2694
Android (android.graphics.Color)	4285883523 (0xFF756483)
YUV	108.6170, 11.0348, 7.3519
Hunter-Lab	38.1247, 8.1470, -9.7586

Details

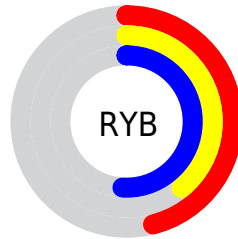
The RYB color **117, 100, 131** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **100, 131, 117**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **169, 151, 184**, and **68, 53, 82** is the 20% darker color. If you saturate the color by 10%, you get **111, 87, 131**, and if you desaturate by 10%, it is **123, 113, 131**.

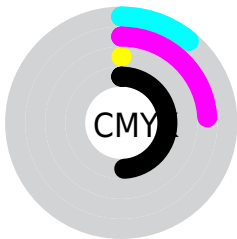
Distribution



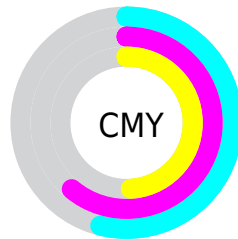
- Red (46%)
- Green (39%)
- Blue (51%)



- Red (46%)
- Yellow (39%)
- Blue (51%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)
- Black (49%)



- Cyan (54%)
- Magenta (61%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 100, 131 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 117, 100, 131 by changing the saturation by 10% instead.

■ 117, 100, 131

255, 255, 255

■ 169, 151, 184

■ 197, 178, 212

■ 225, 205, 240

■ 253, 233, 255

■ 117, 100, 131

■ 92, 76, 106

■ 68, 53, 82

■ 46, 32, 58

■ 25, 10, 37

■ 0, 1, 14

■ 0, 0, 0

■ 117, 100, 131

■ 111, 87, 131

■ 105, 74, 131

■ 117, 100, 131

■ 123, 113, 131

■ 129, 126, 131

■ 99, 61, 131

■ 131, 139, 135

■ 93, 48, 131

■ 131, 152, 142

■ 87, 35, 131

■ 131, 165, 149

■ 82, 21, 131

■ 131, 179, 158

■ 76, 8, 131

■ 131, 192, 165

■ 72, 0, 131

■ 131, 205, 172

■ 131, 218, 179

Harmonies

Analogous

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



95, 104, 138



117, 100, 131



133, 96, 117

Triad

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



117, 100, 131



125, 127, 76



59, 88, 116

Complementary

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



117, 100, 131



100, 131, 117

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.



75, 101, 115



117, 100, 131



80, 112, 74

Square

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



117, 100, 131



137, 101, 85



82, 112, 101



57, 89, 128

Rectangle

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



117, 100, 131



138, 94, 106



82, 112, 101



64, 92, 116

Sweetspot

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



117, 100, 131



165, 159, 171



100, 110, 131



84, 80, 87



214, 214, 214



87, 87, 87

Same Dimension

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



117, 100, 131



149, 123, 171



131, 100, 130



63, 60, 66



71, 0, 130



1, 0, 3

Inverse Universe

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



131, 100, 114



171, 123, 145



100, 130, 131



66, 60, 63



130, 0, 59



3, 0, 1

Previews

White Background



This preview shows how the RYB color 117, 100, 131 looks on a white background.

Color Contrast Check

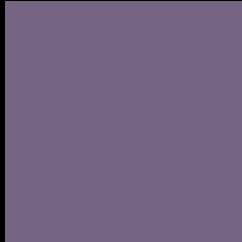
Large Text (above 18pt) WCAG AA ✓ Pass

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 117, 100, 131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

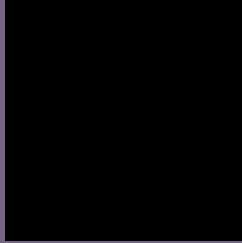
Any Text WCAG AA × Fail

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](#).

R Y B 117, 100, 131 Background



This preview shows how black text looks on a background with the RYB color 117, 100, 131.



This preview shows how white text looks on a background with the RYB color 117, 100, 131.

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

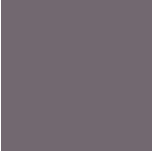
117, 100, 131

Protanopia

99, 104, 135

Deuteranopia

105, 104, 130



Tritanopia
114, 104, 112

Trichromacy



Original Color

117, 100, 131

Protanomaly

106, 103, 134

Deuteranomaly

109, 103, 130

Tritanomaly

115, 103, 119

Monochromacy



Original Color

117, 100, 131

Achromatopsia

109, 109, 109

Achromatomaly

112, 106, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 100, 131 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(117, 100, 131)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 131)  
}
```

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(117, 100, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 131) }
```

Border

The CSS property to change the border of an element to RYB 117, 100, 131 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(117, 100, 131) }
```

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

```
.border{ border-color:rgb(117, 100, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 100, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 100, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 100, 131);  
box-shadow:4px 4px 4px 4px rgb(117, 100,  
131) }
```

Background

The CSS property to change the background color of an element to RGB 117, 100, 131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 131) }
```

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

```
.background{ background-color: rgb(117,  
100, 131) }
```

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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