

Converting Colors

`RYB(116, 115, 128)`

Have a look what the booklet for
RYB(116, 115, 128) contains.

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Color

R_YB(116, 115, 128)

Conversions

Conversions Part 1

Format	Color
Hex	747380
RGB	116, 115, 128
RGB Percent	45%, 45%, 50%
CMY	0.5451, 0.5490, 0.4980
CMYK	0.09, 0.10, 0.00, 0.50
HSL	245°, 5%, 48%
HSV	245°, 10%, 50%
XYZ	17.2295, 17.5330, 22.8982
YIQ	116.7810, -3.5770, 4.2550

Conversions

Conversions Part 2

Format	Color
R_{YB}	116, 115, 128
Decimal	7631744
CIE _{Lab}	48.92, 3.13, -7.00
CIE _{LCh}	49, 7.663, 294.083
Yxy	17.5330, 0.2988, 0.3041
Android (android.graphics.Color)	4285821824 (0xFF747380)
YUV	116.7810, 5.5310, -0.6849
Hunter-Lab	41.8724, 0.1717, -3.1124

Details

The RYB color **116, 115, 128** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **115, 128, 116**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **168, 167, 181**, and **68, 67, 79** is the 20% darker color. If you saturate the color by 10%, you get **104, 102, 128**, and if you desaturate by 10%, it is **128, 128, 128**.

Distribution



Red (45%)

Green (45%)

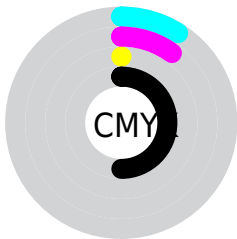
Blue (50%)



Red (45%)

Yellow (45%)

Blue (50%)



Cyan (9%)

Magenta (10%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (55%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 115, 128 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 116, 115, 128 by changing the saturation by 10% instead.

■ 116, 115, 128

255, 255, 255

■ 168, 167, 181

■ 195, 194, 208

■ 223, 222, 237

■ 252, 250, 255

■ 116, 115, 128

■ 91, 90, 103

■ 68, 67, 79

■ 46, 45, 56

■ 25, 24, 35

■ 0, 0, 12

■ 0, 0, 0

■ 116, 115, 128

■ 104, 102, 128

■ 92, 89, 128

■ 116, 115, 128

■ 128, 128, 128

■ 128, 141, 129

■ 81, 77, 128

■ 128, 153, 130

■ 69, 64, 128

■ 128, 166, 131

■ 57, 51, 128

■ 128, 179, 132

■ 45, 38, 128

■ 128, 192, 133

■ 33, 25, 128

■ 128, 205, 134

■ 21, 13, 128

■ 128, 217, 134

■ 10, 0, 128

■ 128, 230, 136

Harmonies

Analogous

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



108, 114, 129



116, 115, 128



124, 113, 124

Triad

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



116, 115, 128



128, 116, 106



103, 113, 120

Complementary

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



116, 115, 128



115, 128, 116

Split Complementary

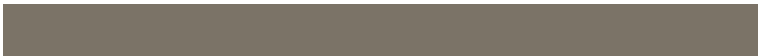
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108, 119, 119



116, 115, 128



116, 123, 103

Square

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



116, 115, 128



130, 112, 111



104, 117, 105



100, 110, 121

Rectangle

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



116, 115, 128



127, 112, 120



104, 117, 105



104, 115, 120

Sweetspot

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



116, 115, 128



161, 161, 166



115, 121, 128



81, 81, 84



212, 212, 212



84, 84, 84

Same Dimension

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



116, 115, 128



147, 146, 166



122, 115, 128



58, 57, 64



10, 0, 128



0, 0, 0

Inverse Universe

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



128, 115, 127



166, 146, 164



115, 128, 122



64, 57, 63



128, 0, 118



0, 0, 0

Previews

White Background



This preview shows how the RYB color 116, 115, 128 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 116, 115, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

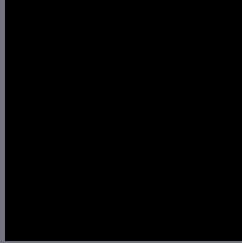
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

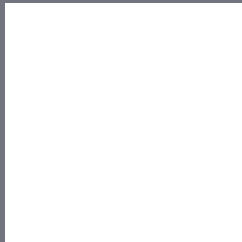
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 116, 115, 128 Background



This preview shows how black text looks on a background with the RYB color 116, 115, 128.



This preview shows how white text looks on a background with the RYB color 116, 115, 128.

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


[116](#), [115](#), [128](#)

Protanopia

[115](#), [115](#), [128](#)

Deuteranopia

[122](#), [113](#), [128](#)



Tritanopia
115, 116, 125

Trichromacy



Original Color

116, 115, 128

Protanomaly

115, 115, 128

Deuteranomaly

120, 114, 128

Tritanomaly

115, 116, 126

Monochromacy



Original Color

116, 115, 128

Achromatopsia

117, 117, 117

Achromatomaly

117, 116, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 115, 128 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(116, 115, 128) looks like.

```
.text, #text, p{  
    color:rgb(116, 115, 128)  
}
```

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(116, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 115, 128) }
```

Border

The CSS property to change the border of an element to RYB 116, 115, 128 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(116, 115, 128) }
```

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

```
.border{ border-color:rgb(116, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(116, 115,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 116, 115, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 115, 128) }
```

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

```
.background{ background-color: rgb(116,  
115, 128) }
```

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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