

Converting Colors

`RYB(102, 112, 127)`

Have a look what the booklet for
RYB(102, 112, 127) contains.

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Color

R_YB(102, 112, 127)

Conversions

Conversions Part 1

Format	Color
Hex	66777F
RGB	102, 119, 127
RGB Percent	40%, 47%, 50%
CMY	0.6000, 0.5346, 0.5020
CMYK	0.20, 0.07, 0.00, 0.50
HSL	200°, 11%, 45%
HSV	200°, 20%, 50%
XYZ	15.8675, 17.4715, 22.6147
YIQ	114.8290, -12.7000, -1.1160

Conversions

Conversions Part 2

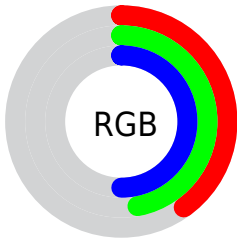
Format	Color
R_{YB}	102, 112, 127
Decimal	6715263
CIE _{Lab}	48.85, -4.21, -6.63
CIE _{LCh}	49, 7.856, 237.615
Yxy	17.4715, 0.2836, 0.3122
Android (android.graphics.Color)	4284905343 (0xFF66777F)
YUV	114.8290, 6.0003, -11.2510
Hunter-Lab	41.7990, -5.3871, -2.8187

Details

The RYB color **102, 112, 127** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **127, 114, 102**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **153, 164, 180**, and **55, 64, 78** is the 20% darker color. If you saturate the color by 10%, you get **89, 104, 127**, and if you desaturate by 10%, it is **115, 120, 127**.

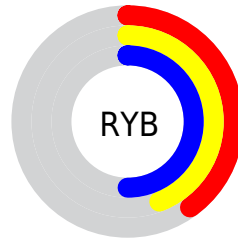
Distribution



Red (40%)

Green (47%)

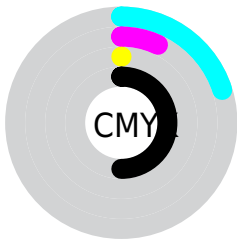
Blue (50%)



Red (40%)

Yellow (44%)

Blue (50%)

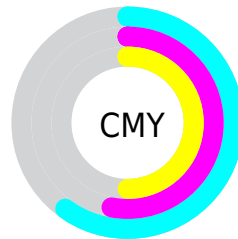


Cyan (20%)

Magenta (7%)

Yellow (0%)

Black (50%)



Cyan (60%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 112, 127 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 102, 112, 127 by changing the saturation by 10% instead.

■ 102, 112, 127

255, 255, 255

■ 153, 164, 180

■ 180, 191, 207

■ 208, 219, 235

■ 236, 246, 255

■ 102, 112, 127

■ 78, 88, 102

■ 55, 64, 78

■ 33, 42, 55

■ 12, 21, 34

■ 0, 0, 11

■ 0, 0, 0

■ 102, 112, 127

■ 89, 104, 127

■ 77, 97, 127

■ 102, 112, 127

■ 115, 120, 127

■ 127, 127, 127

■ 64, 89, 127

■ 140, 133, 127

■ 51, 82, 127

■ 153, 141, 127

■ 39, 74, 127

■ 165, 147, 127

■ 26, 66, 127

■ 178, 153, 127

■ 13, 59, 127

■ 191, 158, 127

■ 0, 51, 127

■ 204, 166, 127

■ 216, 172, 127

Harmonies

Analogous

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



99, 110, 122



102, 112, 127



108, 114, 129

Triad

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



102, 112, 127



129, 112, 117



104, 118, 107

Complementary

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



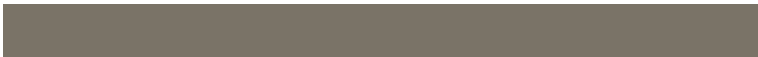
102, 112, 127



127, 114, 102

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.



114, 122, 103



102, 112, 127



130, 112, 110

Square

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



102, 112, 127



124, 113, 123



128, 117, 105



107, 117, 119

Rectangle

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



102, 112, 127



114, 115, 129



128, 117, 105



103, 117, 103

Sweetspot

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



102, 112, 127



156, 160, 166



102, 121, 127



78, 80, 84



212, 212, 212



84, 84, 84

Same Dimension

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



102, 112, 127



126, 142, 166



102, 105, 127



57, 60, 64



0, 51, 128



0, 0, 0

Inverse Universe

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



127, 102, 119



166, 126, 152



107, 127, 102



64, 57, 62



128, 0, 85



0, 0, 0

Previews

White Background



This preview shows how the RYB color 102, 112, 127 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 102, 112, 127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

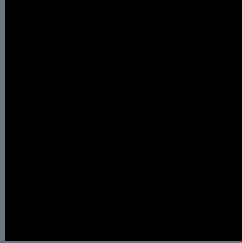
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

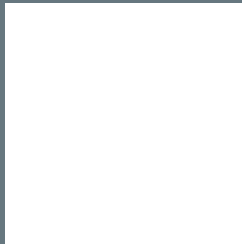
Any Text WCAG AAA × Fail

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

R Y B 102, 112, 127 Background



This preview shows how black text looks on a background with the R Y B color 102, 112, 127.



This preview shows how white text looks on a background with the R Y B color 102, 112, 127.

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
[102, 112, 127](#)

Protanopia
[115, 115, 125](#)

Deuteranopia
[121, 113, 128](#)



Tritanopia
102, 112, 128

Trichromacy



Original Color

102, 112, 127

Protanomaly

110, 114, 126

Deuteranomaly

114, 115, 128

Tritanomaly

102, 112, 128

Monochromacy



Original Color

102, 112, 127

Achromatopsia

115, 115, 115

Achromatomaly

110, 114, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 112, 127 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(102, 119, 127)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 127)  
}
```

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(102, 119, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 127) }
```

Border

The CSS property to change the border of an element to RYB 102, 112, 127 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(102, 119, 127) }
```

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

```
.border{ border-color:rgb(102, 119, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 127);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 102, 112, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 127) }
```

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

```
.background{ background-color: rgb(102,  
119, 127) }
```

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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