

Converting Colors

`RYB(102, 107, 109)`

Have a look what the booklet for
RYB(102, 107, 109) contains.

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Color

R_YB(102, 107, 109)

Conversions

Conversions Part 1

Format	Color
Hex	666D69
RGB	102, 109, 105
RGB Percent	40%, 43%, 41%
CMY	0.6000, 0.5725, 0.5890
CMYK	0.06, 0.00, 0.04, 0.57
HSL	144°, 3%, 41%
HSV	144°, 6%, 43%
XYZ	13.4877, 14.7779, 15.4523
YIQ	106.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

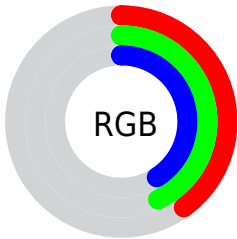
Format	Color
RYB	102, 107, 109
Decimal	6712681
CIELab	45.33, -3.55, 1.42
CIElCh	45, 3.822, 158.238
Yxy	14.7779, 0.3085, 0.3380
Android (android.graphics.Color)	4284902761 (0xFF666D69)
YUV	106.4510, -0.7153, -3.9035
Hunter-Lab	38.4420, -4.6454, 3.0769

Details

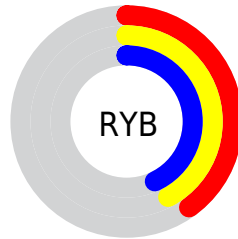
The RYB color **102, 107, 109** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **109, 102, 106**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **153, 158, 160**, and **55, 60, 62** is the 20% darker color. If you saturate the color by 10%, you get **91, 104, 109**, and if you desaturate by 10%, it is **113, 109, 111**.

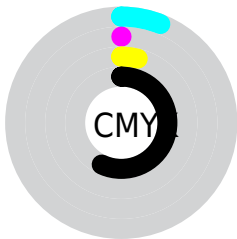
Distribution



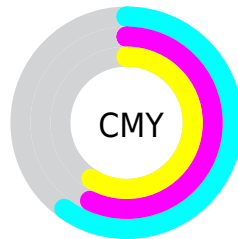
- Red (40%)
- Green (43%)
- Blue (41%)



- Red (40%)
- Yellow (42%)
- Blue (43%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 107, 109 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, 107, 109 by changing the saturation by 10% instead.

■ 102, 107, 109

255, 255, 255

■ 153, 158, 160

■ 180, 185, 187

■ 207, 213, 215

■ 235, 241, 244

■ 102, 107, 109

■ 78, 83, 85

■ 55, 60, 62

■ 34, 39, 40

■ 12, 17, 19

■ 0, 0, 0

■ 102, 107, 109

■ 91, 104, 109

■ 80, 101, 109

■ 69, 98, 109

■ 102, 107, 109

■ 113, 109, 111

■ 124, 109, 118

■ 135, 109, 124

■ 58, 94, 109

■ 146, 109, 131

■ 48, 92, 109

■ 157, 109, 138

■ 37, 88, 109

■ 167, 109, 144

■ 26, 85, 109

■ 178, 109, 151

■ 15, 82, 109

■ 189, 109, 157

■ 4, 79, 109

■ 200, 109, 164

Harmonies

Analogous

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



102, 108, 105



102, 107, 109



100, 105, 109

Triad

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



102, 107, 109



105, 107, 114



114, 105, 103

Complementary

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



102, 107, 109



109, 102, 106

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, 105, 106



102, 107, 109



109, 106, 112

Square

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



102, 107, 109



102, 106, 113



112, 105, 110



112, 110, 101

Rectangle

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



102, 107, 109



100, 105, 110



112, 105, 110



114, 105, 104

Sweetspot

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



102, 107, 109



140, 142, 143



102, 109, 105



70, 71, 71



199, 199, 199



71, 71, 71

Same Dimension

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



102, 107, 109



131, 139, 143



102, 106, 109



48, 53, 54



0, 83, 117



0, 175, 245

Inverse Universe

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



109, 102, 106



143, 131, 138



109, 102, 103



54, 48, 51



117, 0, 70



245, 0, 147

Previews

White Background



This preview shows how the RYB color 102, 107, 109 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, 107, 109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

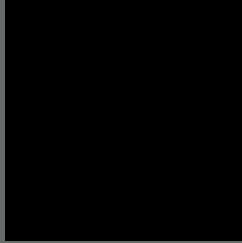
Any Text WCAG AA × Fail

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](#).

RYB 102, 107, 109 Background



This preview shows how black text looks on a background with the RYB color 102, 107, 109.



This preview shows how white text looks on a background with the RYB color 102, 107, 109.

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](#), [107](#), [109](#)

Protanopia
[110](#), [110](#), [104](#)

Deuteranopia
[118](#), [104](#), [106](#)



Tritanopia
104, 106, 116

Trichromacy



Original Color

102, 107, 109

Protanomaly

104, 108, 105

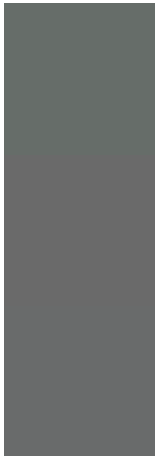
Deuteranomaly

112, 106, 106

Tritanomaly

103, 106, 112

Monochromacy



Original Color

102, 107, 109

Achromatopsia

106, 106, 106

Achromatomaly

105, 106, 107

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 107, 109 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, 109, 105)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 105)  
}
```

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, 109, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 105) }
```

Border

The CSS property to change the border of an element to RYB 102, 107, 109 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, 109, 105) }
```

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

```
.border{ border-color:rgb(102, 109, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 109, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 105);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 102, 107, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 109, 105) }
```

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

```
.background{ background-color: rgb(102,  
109, 105) }
```

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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