

Converting Colors

`RYB(103, 99, 110)`

Have a look what the booklet for
RYB(103, 99, 110) contains.

RYB(103, 99, 110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(103, 99, 110)

Conversions

Conversions Part 1

Format	Color
Hex	67636E
RGB	103, 99, 110
RGB Percent	40%, 39%, 43%
CMY	0.5961, 0.6118, 0.5686
CMYK	0.06, 0.10, 0.00, 0.57
HSL	262°, 5%, 41%
HSV	262°, 10%, 43%
XYZ	12.8698, 12.9330, 16.5699
YIQ	101.4500, -1.1470, 4.2690

Conversions

Conversions Part 2

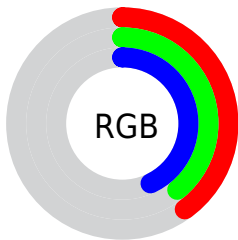
Format	Color
R_{YB}	103, 99, 110
Decimal	6775662
CIE _{Lab}	42.66, 3.90, -5.64
CIE _{LCh}	43, 6.853, 304.669
Yxy	12.9330, 0.3037, 0.3052
Android (android.graphics.Color)	4284965742 (0xFF67636E)
YUV	101.4500, 4.2151, 1.3593
Hunter-Lab	35.9625, 0.9450, -2.1443

Details

The RYB color **103, 99, 110** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **99, 110, 103**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **154, 150, 162**, and **56, 53, 62** is the 20% darker color. If you saturate the color by 10%, you get **96, 88, 110**, and if you desaturate by 10%, it is **110, 110, 110**.

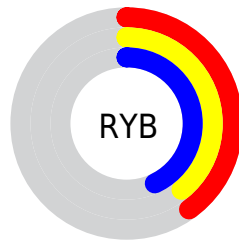
Distribution



Red (40%)

Green (39%)

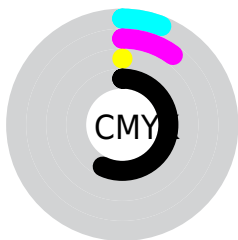
Blue (43%)



Red (40%)

Yellow (39%)

Blue (43%)

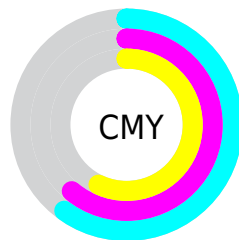


Cyan (6%)

Magenta (10%)

Yellow (0%)

Black (57%)



Cyan (60%)

Magenta (61%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 99, 110 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 103, 99, 110 by changing the saturation by 10% instead.



103, 99, 110



103, 99, 110

255, 255, 255



79, 75, 86



154, 150, 162



56, 53, 62



181, 176, 189



35, 31, 41



208, 204, 216



13, 7, 20



237, 232, 245



0, 0, 0



103, 99, 110



103, 99, 110



96, 88, 110



110, 110, 110



89, 77, 110



110, 121, 114



82, 66, 110



110, 132, 118

■ 75, 55, 110

■ 110, 143, 122

■ 68, 44, 110

■ 110, 154, 126

■ 61, 33, 110

■ 110, 165, 130

■ 54, 22, 110

■ 110, 176, 134

■ 47, 11, 110

■ 110, 187, 138

■ 40, 0, 110

■ 110, 198, 142

Harmonies

Analogous

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



96, 100, 112



103, 99, 110



109, 98, 106

Triad

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



103, 99, 110



110, 105, 91



88, 97, 104

Complementary

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



103, 99, 110



99, 110, 103

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.



92, 101, 104



103, 99, 110



95, 105, 90

Square

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



103, 99, 110



113, 97, 95



91, 102, 95



87, 96, 107

Rectangle

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



103, 99, 110



112, 97, 102



91, 102, 95



89, 98, 104

Sweetspot

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



103, 99, 110



140, 139, 143



99, 103, 110



70, 69, 71



199, 199, 199



71, 71, 71

Same Dimension

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



103, 99, 110



132, 126, 143



108, 99, 110



53, 50, 56



44, 0, 120



90, 0, 247

Inverse Universe

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



110, 99, 106



143, 126, 137



99, 110, 108



56, 50, 54



120, 0, 76



247, 0, 157

Previews

White Background



This preview shows how the RYB color 103, 99, 110 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 103, 99, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

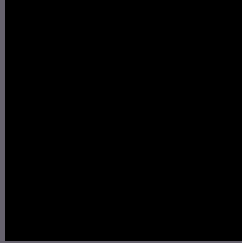
Any Text WCAG AA × Fail

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 103, 99, 110 Background



This preview shows how black text looks on a background with the RYB color 103, 99, 110.



This preview shows how white text looks on a background with the RYB color 103, 99, 110.

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
[103, 99, 110](#)

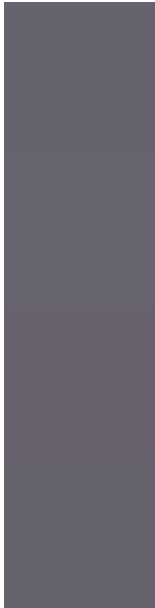
Protanopia
[100, 100, 111](#)

Deuteranopia
[106, 98, 110](#)



Tritanopia
103, 99, 107

Trichromacy



Original Color

103, 99, 110

Protanomaly

101, 100, 111

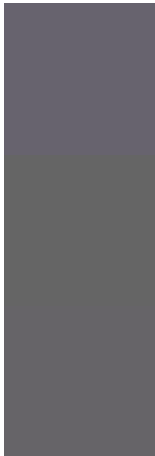
Deuteranomaly

105, 98, 110

Tritanomaly

103, 99, 108

Monochromacy



Original Color

103, 99, 110

Achromatopsia

101, 101, 101

Achromatomaly

102, 100, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 99, 110 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(103, 99, 110)` looks like.

```
.text, #text, p{  
    color:rgb(103, 99, 110)  
}
```

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(103, 99, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 99, 110) }
```

Border

The CSS property to change the border of an element to RYB 103, 99, 110 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(103, 99, 110) }
```

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

```
.border{ border-color:rgb(103, 99, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 99, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 99, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 99, 110);  
box-shadow:4px 4px 4px 4px rgb(103, 99,  
110) }
```

Background

The CSS property to change the background color of an element to RGB 103, 99, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 99, 110) }
```

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

```
.background{ background-color: rgb(103, 99,  
110) }
```

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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