

Converting Colors

`RYB(99, 108, 119)`

Have a look what the booklet for
RYB(99, 108, 119) contains.

RYB(99, 108, 119)	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(99, 108, 119)

Conversions

Conversions Part 1

Format	Color
Hex	637377
RGB	99, 115, 119
RGB Percent	39%, 45%, 47%
CMY	0.6118, 0.5476, 0.5333
CMYK	0.17, 0.03, 0.00, 0.53
HSL	191°, 9%, 43%
HSV	191°, 17%, 47%
XYZ	14.6476, 16.3291, 19.8326
YIQ	110.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

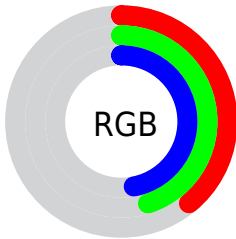
Format	Color
R_{YB}	99, 108, 119
Decimal	6517623
CIE _{Lab}	47.40, -5.22, -4.06
CIE _{LCh}	47, 6.611, 217.834
Yxy	16.3291, 0.2883, 0.3214
Android (android.graphics.Color)	4284707703 (0xFF637377)
YUV	110.6720, 4.1057, -10.2363
Hunter-Lab	40.4093, -6.0133, -0.8126

Details

The RYB color **99, 108, 119** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **119, 104, 99**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **150, 159, 171**, and **52, 60, 71** is the 20% darker color. If you saturate the color by 10%, you get **87, 101, 119**, and if you desaturate by 10%, it is **111, 115, 119**.

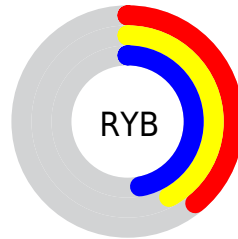
Distribution



Red (39%)

Green (45%)

Blue (47%)



Red (39%)

Yellow (42%)

Blue (47%)

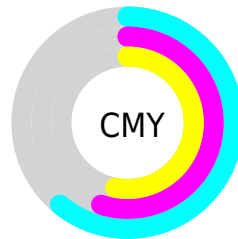


Cyan (17%)

Magenta (3%)

Yellow (0%)

Black (53%)



Cyan (61%)

Magenta (55%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 108, 119 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 99, 108, 119 by changing the saturation by 10% instead.



99, 108, 119



99, 108, 119

255, 255, 255



75, 84, 94



150, 159, 171



52, 60, 71



177, 186, 198



30, 38, 48



204, 214, 226



8, 17, 28



232, 242, 255



0, 0, 0



99, 108, 119



99, 108, 119



87, 101, 119



111, 115, 119



75, 95, 119



123, 120, 119



63, 88, 119



135, 123, 119

■ 51, 82, 119

■ 147, 125, 119

■ 40, 76, 119

■ 159, 127, 119

■ 28, 69, 119

■ 170, 130, 119

■ 16, 62, 119

■ 182, 134, 119

■ 4, 56, 119

■ 194, 136, 119

■ 0, 53, 119

■ 206, 139, 119

Harmonies

Analogous

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



99, 108, 116



99, 108, 119



102, 110, 123

Triad

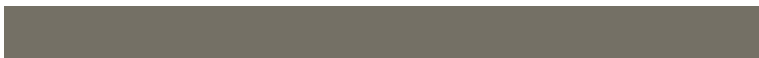
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



99, 108, 119



121, 109, 117



106, 116, 101

Complementary

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



99, 108, 119



119, 104, 99

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.



121, 119, 102



99, 108, 119



124, 109, 111

Square

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



99, 108, 119



115, 111, 121



124, 110, 106



104, 114, 109

Rectangle

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



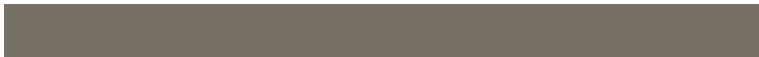
99, 108, 119



106, 111, 123



124, 110, 106



110, 118, 101

Sweetspot

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



99, 108, 119



148, 151, 156



99, 116, 119



74, 76, 79



207, 207, 207



79, 79, 79

Same Dimension

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



99, 108, 119



124, 138, 156



99, 104, 119



53, 56, 59



0, 55, 122



0, 112, 250

Inverse Universe

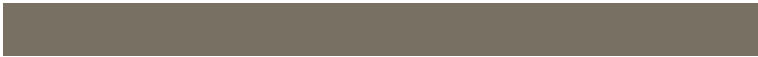
The Inverse Universe completely reimagines the original color for something new.



119, 99, 115



156, 124, 150



110, 119, 99



59, 53, 58



122, 0, 100



250, 0, 204

Previews

White Background



This preview shows how the RYB color 99, 108, 119 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 99, 108, 119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

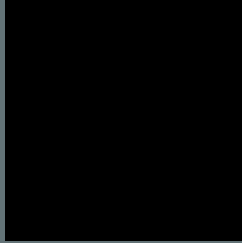
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

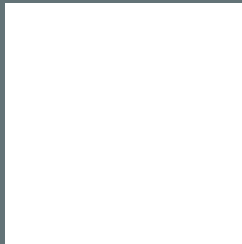
Any Text WCAG AAA × Fail

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

R Y B 99, 108, 119 Background



This preview shows how black text looks on a background with the RYB color 99, 108, 119.



This preview shows how white text looks on a background with the RYB color 99, 108, 119.

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

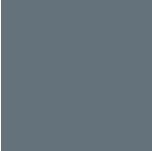
[99](#), [108](#), [119](#)

Protanopia

[113](#), [112](#), [117](#)

Deuteranopia

[119](#), [109](#), [120](#)



Tritanopia
100, 109, 124

Trichromacy



Original Color

99, 108, 119

Protanomaly

108, 111, 118

Deuteranomaly

112, 111, 120

Tritanomaly

100, 109, 122

Monochromacy



Original Color

99, 108, 119

Achromatopsia

111, 111, 111

Achromatomaly

107, 110, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 108, 119 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(99, 115, 119)` looks like.

```
.text, #text, p{  
    color:rgb(99, 115, 119)  
}
```

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(99, 115, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 115, 119) }
```

Border

The CSS property to change the border of an element to RYB 99, 108, 119 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(99, 115, 119) }
```

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

```
.border{ border-color:rgb(99, 115, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 115, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 115, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 115, 119);  
box-shadow:4px 4px 4px 4px rgb(99, 115,  
119) }
```

Background

The CSS property to change the background color of an element to RGB 99, 108, 119 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 115, 119) }
```

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

```
.background{ background-color: rgb(99, 115,  
119) }
```

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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