

Converting Colors

CIELCh(39, 16.964, 317.268)

Have a look what the booklet for
CIELCh(39, 16.964, 317.268)
contains.

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Color

CIELCh(39, 16.964, 317.268)

Conversions

Conversions Part 1

Format	Color
Hex	68566F
RGB	104, 86, 111
RGB Percent	41%, 34%, 44%
CMY	0.5936, 0.6641, 0.5662
CMYK	0.06, 0.23, 0.00, 0.57
HSL	283°, 13%, 38%
HSV	283°, 23%, 43%
XYZ	11.8139, 10.6589, 16.3661
YIQ	94.2320, 2.7030, 11.5910

Conversions

Conversions Part 2

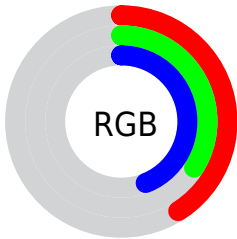
Format	Color
R_{YB}	104, 86, 111
Decimal	6837871
CIE _{Lab}	39.00, 12.46, -11.51
CIE _{LCh}	39, 16.964, 317.268
Yxy	10.6589, 0.3042, 0.2744
Android (android.graphics.Color)	4285027951 (0xFF68566F)
YUV	94.2320, 8.2666, 8.5665
Hunter-Lab	32.6480, 7.4575, -6.8678

Details

The CIELCh color $[39, 16.964, 317.268]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[45, 16.713, 135.372]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 16.949, 316.530]$, and $[19, 16.563, 317.897]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 24.613, 317.681]$, and if you desaturate by 10%, it is $[42, 9.372, 316.850]$.

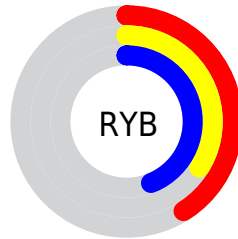
Distribution



Red (41%)

Green (34%)

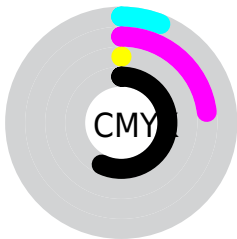
Blue (44%)



Red (41%)

Yellow (34%)

Blue (44%)

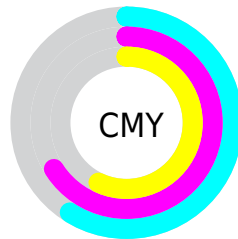


Cyan (6%)

Magenta (23%)

Yellow (0%)

Black (57%)



Cyan (59%)


Magenta (66%)

Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 16.964, 317.268 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 CIELCh color 39, 16.964, 317.268 by changing the saturation by 10% instead.


 39, 16.964,
317.268


 39, 16.964,
317.268

 100, 16.964,
317.268


 29, 16.964,
317.268

 59, 16.964,
317.268


 19, 16.964,
317.268


 69, 16.964,
317.268

 9, 16.964, 317.268

 79, 16.964,
317.268

 0, 16.964, 317.268

 89, 16.964,
317.268

 99, 16.964,
317.268

■ 39, 16.964,
317.268

■ 39, 16.964,
317.268

■ 36, 24.613,
317.681

■ 42, 9.372, 316.850

■ 46, 1.908, 316.399

■ 33, 32.217,
318.076

■ 49, 5.391, 136.103

■ 29, 39.615,
318.427

■ 53, 12.505,
135.733

■ 27, 46.580,
318.700

■ 56, 19.425,
135.399

■ 24, 52.815,
318.853

■ 60, 26.150,
135.093

■ 22, 57.976,
318.834


■ 63, 32.684,
134.815

■ 20, 61.766,
318.596

■ 67, 39.033,
134.563

■ 19, 64.336,

318.412

 70, 45.206,
134.336

Harmonies

Complementary

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



39, 16.964, 317.268



45, 16.713, 135.372

Rectangle

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



39, 16.964, 317.268



39, 16.964, 7.268



39, 16.964, 137.268



39, 16.964, 187.268

Sweetspot

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



39, 16.963, 317.268



56, 6.396, 316.622



39, 11.201, 277.909



28, 4.128, 316.637



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



39, 16.963, 317.268



48, 25.087, 317.481



40, 15.743, 332.484



22, 4.223, 316.700



21, 68.145, 318.336



47, 116.700, 317.836

Inverse Universe

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



39, 11.551, 359.553



48, 17.174, 0.173



44, 15.670, 149.592



22, 2.835, 358.093



24, 50.017, 20.514



52, 87.164, 24.026

Previews

White Background



This preview shows how the CIELCh color 39, 16.964, 317.268 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 CIELCh color 39, 16.964, 317.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

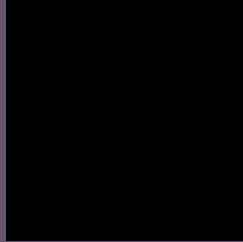
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 16.964, 317.268

Background



This preview shows how black text looks on a background with the CIELCh color 39, 16.964, 317.268.



This preview shows how white text looks on a background with the CIELCh color 39, 16.964, 317.268.

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


39, 16.964, 317.268

Protanopia

39, 14.164, 284.733

Deuteranopia

39, 12.305, 295.681



Tritanopia
39, 6.980, 342.583

Trichromacy



Original Color
39, 16.964, 317.268

Protanomaly
39, 14.801, 296.884

Deuteranomaly
39, 13.921, 305.238

Tritanomaly
39, 10.617, 327.050

Monochromacy



Original Color
39, 16.964, 317.268

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 6.244, 318.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 16.964, 317.268 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(104, 86, 111)` looks like.

```
.text, #text, p{  
    color:rgb(104, 86, 111)  
}
```

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(104, 86, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 86, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 16.964, 317.268 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(104, 86, 111) }
```

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

```
.border{ border-color:rgb(104, 86, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 86, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 86, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 86, 111);  
box-shadow:4px 4px 4px 4px rgb(104, 86,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 16.964, 317.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 86, 111) }
```

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

```
.background{ background-color: rgb(104, 86,  
111) }
```

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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