

Converting Colors

CIELCh(39, 18.717, 309.634)

Have a look what the booklet for
CIELCh(39, 18.717, 309.634)
contains.

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Color

CIELCh(39, 18.684, 309.627)

Conversions

Conversions Part 1

Format	Color
Hex	645673
RGB	100, 86, 115
RGB Percent	39%, 34%, 45%
CMY	0.6069, 0.6618, 0.5481
CMYK	0.13, 0.25, 0.00, 0.55
HSL	269°, 14%, 40%
HSV	269°, 25%, 45%
XYZ	11.7368, 10.6589, 17.7319
YIQ	93.4920, -0.9650, 11.9870

Conversions

Conversions Part 2

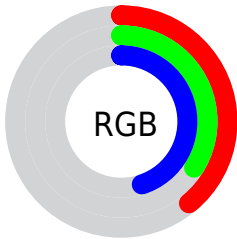
Format	Color
R_{YB}	100, 86, 115
Decimal	6575731
CIE _{Lab}	39.00, 11.92, -14.39
CIE _{LCh}	39, 18.684, 309.627
Yxy	10.6589, 0.2925, 0.2656
Android (android.graphics.Color)	4284765811 (0xFF645673)
YUV	93.4920, 10.6034, 5.7075
Hunter-Lab	32.6480, 7.0358, -9.3482

Details

The CIELCh color $[39, 18.684, 309.627]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[47, 18.055, 127.355]$, and the grayscale version is $[40, 0.006, 296.813]$.

A 20% lighter version of the original color is $[59, 18.524, 309.363]$, and $[19, 18.562, 309.497]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 26.410, 310.150]$, and if you desaturate by 10%, it is $[43, 11.114, 309.131]$.

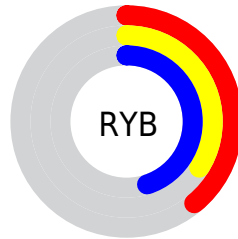
Distribution



Red (39%)

Green (34%)

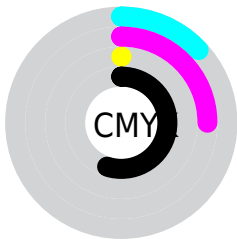
Blue (45%)



Red (39%)

Yellow (34%)

Blue (45%)

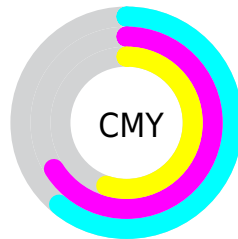


Cyan (13%)

Magenta (25%)

Yellow (0%)

Black (55%)



Cyan (61%)

Magenta (66%)

Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 18.684, 309.627 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, 18.684, 309.627 by changing the saturation by 10% instead.


 39, 18.684,
309.627


 39, 18.684,
309.627

 100, 18.684,
309.627


 29, 18.684,
309.627

 59, 18.684,
309.627


 19, 18.684,
309.627

 69, 18.684,
309.627

 9, 18.684, 309.627

 79, 18.684,
309.627

 0, 18.684, 309.627

 89, 18.684,
309.627

 99, 18.684,
309.627

■ 39, 18.684,
309.627

■ 39, 18.684,
309.627

■ 35, 26.410,
310.150

■ 43, 11.114,
309.131

■ 32, 34.226,
310.688

■ 47, 3.739, 308.664

■ 50, 3.426, 128.295

■ 28, 42.006,
311.211

■ 54, 10.377,
127.911

■ 25, 49.539,
311.675

■ 58, 17.119,
127.580

■ 22, 56.504,
312.012

■ 62, 23.657,
127.289

■ 19, 62.457,
312.133


■ 65, 30.002,
127.035

■ 17, 67.086,
311.990

■ 69, 36.162,
126.813

■ 16, 69.367,

311.987

 73, 42.148,
126.620

Harmonies

Complementary

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



39, 18.684, 309.627



47, 18.055, 127.355

Rectangle

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



39, 18.684, 309.627



39, 18.684, 359.627



39, 18.684, 129.627



39, 18.684, 179.627

Sweetspot

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



39, 18.683, 309.626



58, 7.222, 308.805



42, 9.874, 255.187



30, 5.181, 308.864



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



39, 18.683, 309.626



48, 27.889, 309.917



40, 20.870, 324.797



23, 4.148, 308.844



17, 72.472, 311.915



39, 123.599, 311.303

Inverse Universe

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



40, 15.159, 344.836



50, 22.531, 345.391



46, 20.831, 142.042



23, 3.390, 343.392



25, 49.583, 358.813



54, 83.577, 1.228

Previews

White Background



This preview shows how the CIE LCh color 39, 18.684, 309.627 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, 18.684, 309.627 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, 18.684, 309.627

Background



This preview shows how black text looks on a background with the CIELCh color 39, 18.684, 309.627.

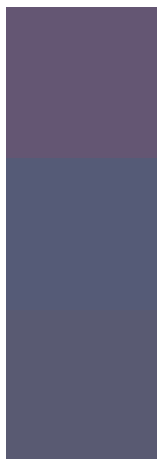


This preview shows how white text looks on a background with the CIELCh color 39, 18.684, 309.627.

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, 18.684, 309.627

Protanopia

39, 17.219, 285.483

Deuteranopia

39, 14.714, 290.966



Tritanopia
39, 5.211, 324.780

Trichromacy



Original Color
39, 18.684, 309.627

Protanomaly
39, 17.823, 295.283

Deuteranomaly
39, 15.447, 298.193

Tritanomaly
39, 9.936, 313.049

Monochromacy



Original Color
39, 18.684, 309.627

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 7.062, 307.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 18.684, 309.627 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(100, 86, 115)` looks like.

```
.text, #text, p{  
    color:rgb(100, 86, 115)  
}
```

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(100, 86, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 86, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 18.684, 309.627 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(100, 86, 115) }
```

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

```
.border{ border-color:rgb(100, 86, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 86, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 86, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 86, 115);  
box-shadow:4px 4px 4px 4px rgb(100, 86,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 18.684, 309.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 86, 115) }
```

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

```
.background{ background-color: rgb(100, 86,  
115) }
```

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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