

Converting Colors

CIELCh(16, 6.517, 36.668)

Have a look what the booklet for
CIELCh(16, 6.517, 36.668) contains.

CIELCh(16, 6.575, 39.177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 6.575, 39.177)

Conversions

Conversions Part 1

Format	Color
Hex	312522
RGB	49, 37, 34
RGB Percent	19%, 15%, 13%
CMY	0.8075, 0.8546, 0.8663
CMYK	0.00, 0.24, 0.31, 0.81
HSL	12°, 18%, 16%
HSV	12°, 31%, 19%
XYZ	2.2248, 2.0993, 1.8074
YIQ	40.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

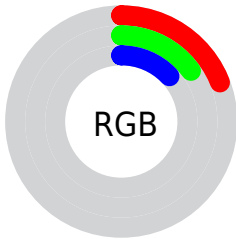
Format	Color
RYB	49, 38, 34
Decimal	3220770
CIELab	16.00, 5.10, 4.15
CIElCh	16, 6.575, 39.177
Yxy	2.0993, 0.3628, 0.3424
Android (android.graphics.Color)	4281410850 (0xFF312522)
YUV	40.2460, -3.0793, 7.6773
Hunter-Lab	14.4890, 2.0532, 2.7461

Details

The CIELCh color **16, 6.575, 39.177** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 5.538, 220.563**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 6.323, 43.052**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 9.033, 39.286**, and if you desaturate by 10%, it is **17, 4.274, 39.179**.

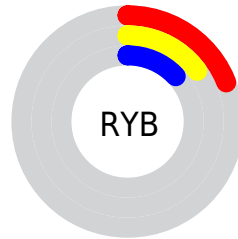
Distribution



Red (19%)

Green (15%)

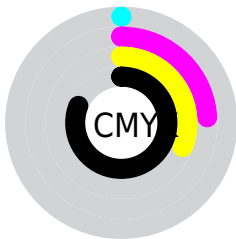
Blue (13%)



Red (19%)

Yellow (15%)

Blue (13%)

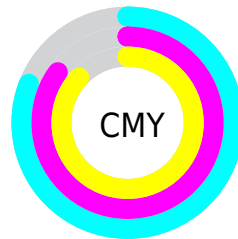


Cyan (0%)

Magenta (24%)

Yellow (31%)

Black (81%)



Cyan (81%)

Magenta (85%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 6.575, 39.177 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 16, 6.575, 39.177 by changing the saturation by 10% instead.

■ 16, 6.575, 39.177 ■ 16, 6.575, 39.177

■ 100, 6.575, 39.177 ■ 6, 6.575, 39.177

■ 36, 6.575, 39.177 ■ 0, 6.575, 39.177

■ 46, 6.575, 39.177

■ 56, 6.575, 39.177

■ 66, 6.575, 39.177

■ 76, 6.575, 39.177

■ 86, 6.575, 39.177

■ 96, 6.575, 39.177

■ 16, 6.575, 39.177 ■ 16, 6.575, 39.177

15, 9.033, 39.286	17, 4.274, 39.179
13, 11.653, 39.508	19, 2.122, 39.224
12, 14.352, 39.491	20, 0.110, 37.618
11, 16.769, 37.989	22, 1.775, 219.804
10, 18.895, 35.588	23, 3.544, 219.995
9, 20.883, 33.542	25, 5.209, 220.254
8, 22.668, 32.453	26, 6.779, 220.543
	28, 8.266, 220.850
	29, 9.678, 221.168

Harmonies

Complementary

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



16, 6.575, 39.177



18, 5.538, 220.563

Rectangle

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



16, 6.575, 39.177



16, 6.575, 89.177



16, 6.575, 219.177



16, 6.575, 269.177

Sweetspot

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



16, 6.575, 39.185



25, 2.243, 39.227



15, 10.965, 332.139



12, 1.578, 39.226



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



16, 6.575, 39.185



20, 10.206, 39.262



18, 7.557, 90.516



8, 1.134, 39.076



18, 41.890, 41.208



48, 88.081, 43.251

Inverse Universe

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



18, 5.538, 220.563



24, 8.141, 221.057



15, 7.588, 277.398



9, 1.090, 219.798



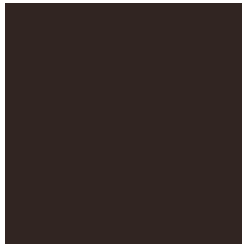
28, 20.312, 232.513



66, 38.906, 236.042

Previews

White Background



This preview shows how the CIELCh color 16, 6.575, 39.177 looks on a white background.

Color Contrast Check

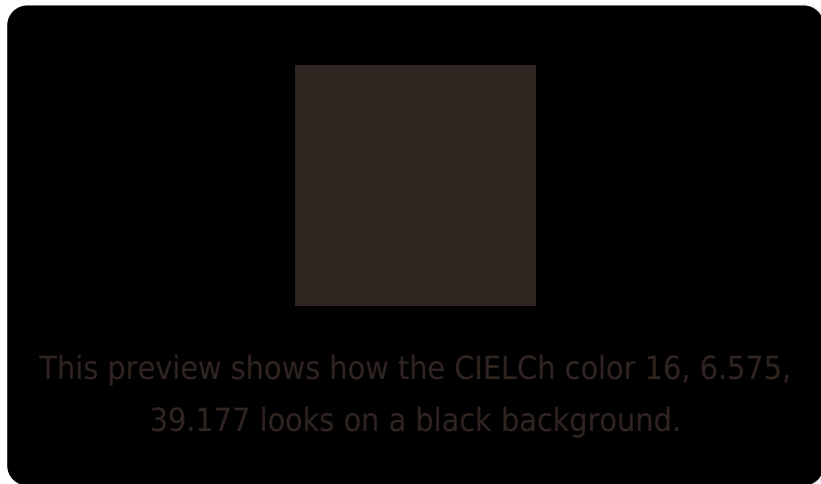
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

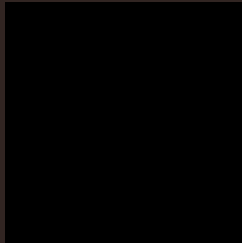
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

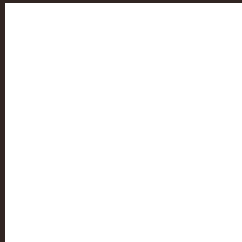
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 6.575, 39.177

Background



This preview shows how black text looks on a background with the CIELCh color 16, 6.575, 39.177.

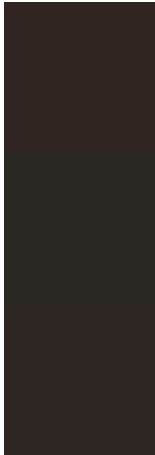


This preview shows how white text looks on a background with the CIELCh color 16, 6.575, 39.177.

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

16, 6.575, 39.177

Protanopia

16, 3.624, 93.110

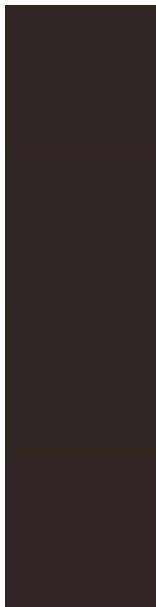
Deuteranopia

16, 4.987, 54.036



Tritanopia
16, 7.260, 4.606

Trichromacy



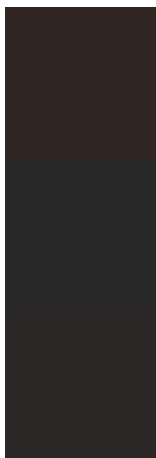
Original Color
16, 6.575, 39.177

Protanomaly
16, 4.142, 62.033

Deuteranomaly
16, 5.433, 51.008

Tritanomaly
16, 7.105, 15.593

Monochromacy



Original Color
16, 6.575, 39.177

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 2.092, 39.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 6.575, 39.177 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(49, 37, 34)` looks like.

```
.text, #text, p{  
    color:rgb(49, 37, 34)  
}
```

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(49, 37, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 37, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 6.575, 39.177 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(49, 37, 34) }
```

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

```
.border{ border-color:rgb(49, 37, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 37, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 37, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 37, 34);  
box-shadow:4px 4px 4px 4px rgb(49, 37, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 6.575, 39.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 37, 34) }
```

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

```
.background{ background-color: rgb(49, 37,  
34) }
```

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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