

Converting Colors

CIELCh(16, 39.805, 32.588)

Have a look what the booklet for
CIELCh(16, 39.805, 32.588) contains.

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Color

CIELCh(16, 39.992, 32.632)

Conversions

Conversions Part 1

Format	Color
Hex	550808
RGB	85, 8, 8
RGB Percent	33%, 3%, 3%
CMY	0.6679, 0.9700, 0.9702
CMYK	0.00, 0.91, 0.91, 0.67
HSL	0°, 84%, 18%
HSV	0°, 91%, 33%
XYZ	3.8429, 2.0993, 0.4209
YIQ	31.0230, 45.8920, 16.3240

Conversions

Conversions Part 2

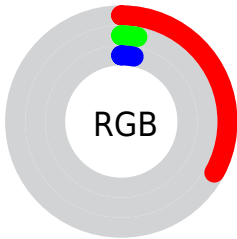
Format	Color
RYB	85, 8, 8
Decimal	5572616
CIELab	16.00, 33.68, 21.57
CIELCh	16, 39.992, 32.632
Yxy	2.0993, 0.6039, 0.3299
Android (android.graphics.Color)	4283762696 (0xFF550808)
YUV	31.0230, -11.3503, 47.3378
Hunter-Lab	14.4890, 21.9876, 8.4198

Details

The CIELCh color **16, 39.992, 32.632** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **32, 21.708, 196.553**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 39.827, 32.940**, and **3, 12.529, 17.560** is the 20% darker color. If you saturate the color by 10%, you get **15, 42.890, 33.156**, and if you desaturate by 10%, it is **17, 36.504, 31.473**.

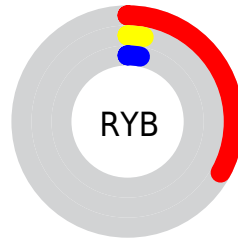
Distribution



Red (33%)

Green (3%)

Blue (3%)



Red (33%)

Yellow (3%)

Blue (3%)

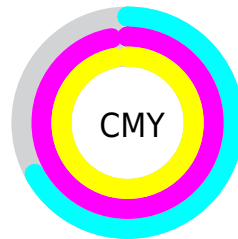


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (67%)



Cyan (67%)

Magenta (97%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 39.992, 32.632 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, 39.992, 32.632 by changing the saturation by 10% instead.

 16, 39.992, 32.632

 16, 39.992, 32.632

 100, 39.992,
32.632

 6, 39.992, 32.632

 36, 39.992, 32.632

 0, 39.992, 32.632

 46, 39.992, 32.632

 56, 39.992, 32.632

 66, 39.992, 32.632

 76, 39.992, 32.632

 86, 39.992, 32.632

 96, 39.992, 32.632

■ 16, 39.992, 32.632

■ 16, 39.992, 32.632

■ 15, 42.890, 33.156

■ 17, 36.504, 31.473

■ 19, 31.829, 28.931

■ 21, 26.857, 26.473

■ 23, 21.908, 24.508

■ 25, 17.100, 22.963

■ 28, 12.511, 21.754

■ 30, 8.186, 20.800

■ 33, 4.140, 20.024

■ 36, 0.372, 18.709

Harmonies

Complementary

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



16, 39.992, 32.632



32, 21.708, 196.553

Rectangle

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



16, 39.992, 32.632



16, 39.992, 82.632



16, 39.992, 212.632



16, 39.992, 262.632

Sweetspot

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



16, 39.991, 32.635



37, 13.330, 21.432



19, 49.421, 328.073



17, 9.116, 21.629



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 39.991, 32.635



21, 53.753, 36.862



23, 33.263, 64.096



16, 2.126, 19.863



21, 52.674, 36.586



49, 98.175, 40.004

Inverse Universe

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



32, 21.708, 196.553



42, 26.893, 196.464



19, 27.262, 276.961



17, 2.021, 199.106



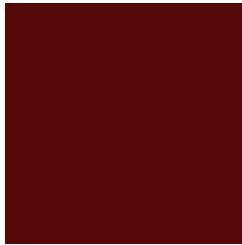
41, 26.449, 196.464



85, 47.015, 196.469

Previews

White Background



This preview shows how the CIE LCh color 16, 39.992, 32.632 looks on a white background.

Color Contrast Check

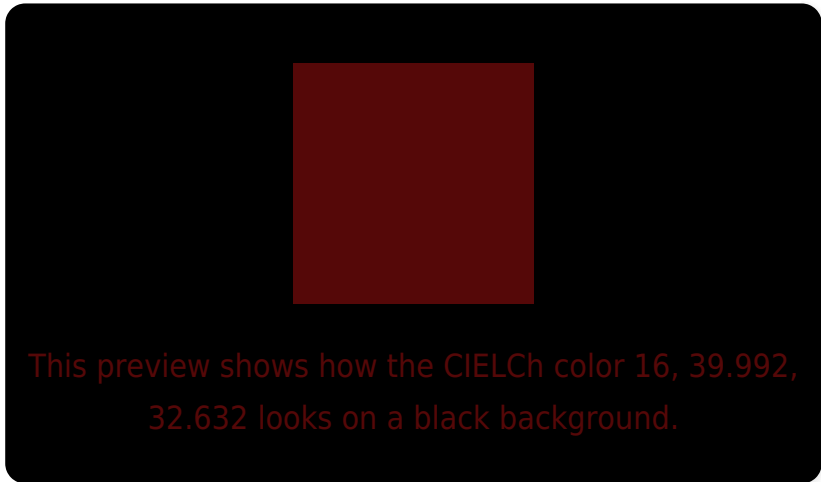
Large Text (above 18pt) WCAG AA ✓ Pass

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

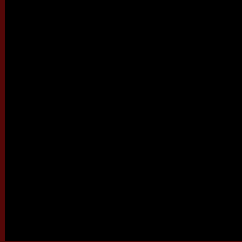
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 39.992, 32.632

Background



This preview shows how black text looks on a background with the CIELCh color 16, 39.992, 32.632.

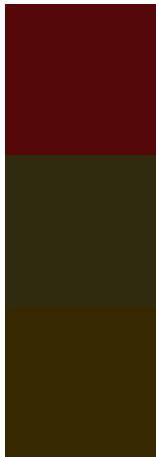


This preview shows how white text looks on a background with the CIELCh color 16, 39.992, 32.632.

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, 39.992, 32.632

Protanopia

17, 18.731, 96.789

Deuteranopia

17, 25.098, 87.041



Tritanopia
16, 40.752, 34.598

Trichromacy



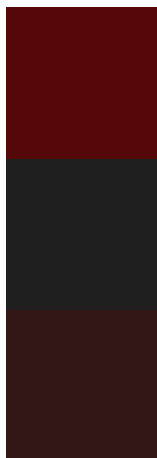
Original Color
16, 39.992, 32.632

Protanomaly
15, 22.148, 53.137

Deuteranomaly
16, 26.857, 54.972

Tritanomaly
16, 40.558, 34.114

Monochromacy



Original Color
16, 39.992, 32.632

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 15.588, 26.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 39.992, 32.632 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(85, 8, 8)` looks like.

```
.text, #text, p{  
    color:rgb(85, 8, 8)  
}
```

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(85, 8, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 8, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 39.992, 32.632 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(85, 8, 8) }
```

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

```
.border{ border-color:rgb(85, 8, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 8, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 8, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 8, 8); box-shadow:4px  
4px 4px 4px rgb(85, 8, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 39.992, 32.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 8, 8) }
```

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

```
.background{ background-color: rgb(85, 8,  
8) }
```

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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