

Converting Colors

CIELCh(16, 32.035, 39.307)

Have a look what the booklet for
CIELCh(16, 32.035, 39.307) contains.

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Color

CIELCh(16, 32.126, 39.381)

Conversions

Conversions Part 1

Format	Color
Hex	4C1609
RGB	76, 22, 9
RGB Percent	30%, 9%, 4%
CMY	0.7036, 0.9152, 0.9630
CMYK	0.00, 0.71, 0.88, 0.70
HSL	11°, 78%, 17%
HSV	11°, 88%, 30%
XYZ	3.2786, 2.0993, 0.5036
YIQ	36.6640, 36.3570, 7.4050

Conversions

Conversions Part 2

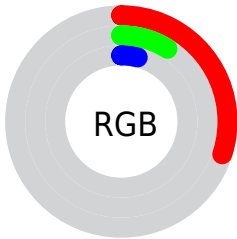
Format	Color
R_{YB}	76, 25, 9
Decimal	4986377
CIE _{Lab}	16.00, 24.83, 20.38
CIE _{LCh}	16, 32.126, 39.381
Yxy	2.0993, 0.5574, 0.3569
Android (android.graphics.Color)	4283176457 (0xFF4C1609)
YUV	36.6640, -13.6384, 34.4977
Hunter-Lab	14.4890, 15.0360, 8.0816

Details

The CIELCh color **16, 32.126, 39.381** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 17.052, 225.770**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 32.157, 40.048**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 35.160, 38.691**, and if you desaturate by 10%, it is **17, 28.570, 40.078**.

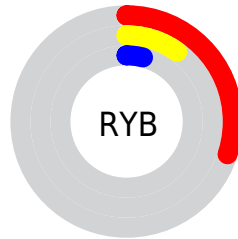
Distribution



Red (30%)

Green (9%)

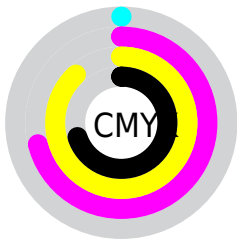
Blue (4%)



Red (30%)

Yellow (10%)

Blue (4%)

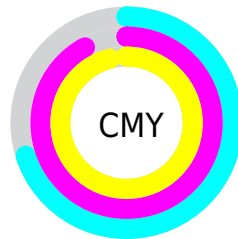


Cyan (0%)

Magenta (71%)

Yellow (88%)

Black (70%)



Cyan (70%)

Magenta (92%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 32.126, 39.381 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, 32.126, 39.381 by changing the saturation by 10% instead.

 16, 32.126, 39.381

 16, 32.126, 39.381

 100, 32.126,
39.381

 6, 32.126, 39.381

 36, 32.126, 39.381

 0, 32.126, 39.381

 46, 32.126, 39.381

 56, 32.126, 39.381

 66, 32.126, 39.381

 76, 32.126, 39.381

 86, 32.126, 39.381

 96, 32.126, 39.381

■ 16, 32.126, 39.381

■ 16, 32.126, 39.381

■ 15, 35.160, 38.691

■ 17, 28.570, 40.078

■ 15, 35.879, 38.659

■ 19, 24.243, 39.346

■ 21, 19.975, 38.610

■ 22, 15.921, 38.080

■ 24, 12.110, 37.735

■ 26, 8.553, 37.543

■ 28, 5.242, 37.468

■ 31, 2.165, 37.440

■ 33, 0.696, 218.080

Harmonies

Complementary

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



16, 32.126, 39.381



24, 17.052, 225.770

Rectangle

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



16, 32.126, 39.381



16, 32.126, 89.381



16, 32.126, 219.381



16, 32.126, 269.381

Sweetspot

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



16, 32.125, 39.384



35, 10.129, 37.537



16, 39.221, 335.329



17, 6.970, 37.561



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 32.125, 39.384



21, 46.647, 41.401



24, 30.179, 81.431



14, 1.634, 37.447



21, 47.745, 41.591



50, 92.638, 42.720

Inverse Universe

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



24, 17.052, 225.770



31, 21.841, 229.790



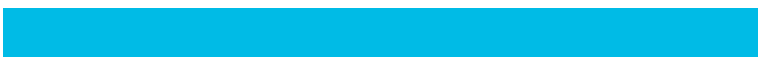
13, 32.382, 290.383



15, 1.556, 217.916



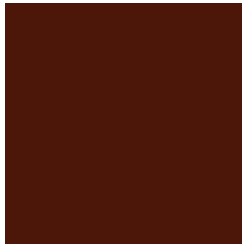
32, 22.235, 229.907



70, 40.354, 232.650

Previews

White Background



This preview shows how the CIELCh color 16, 32.126, 39.381 looks on a white background.

Color Contrast Check

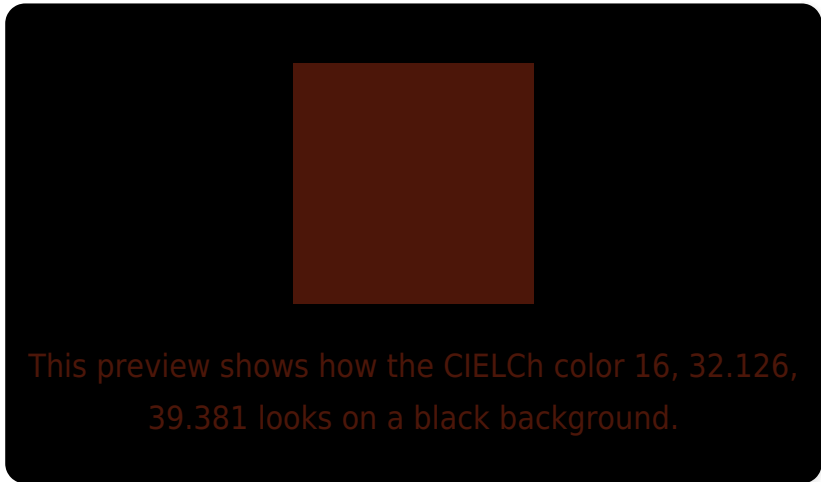
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.126, 39.381

Background



This preview shows how black text looks on a background with the CIELCh color 16, 32.126, 39.381.

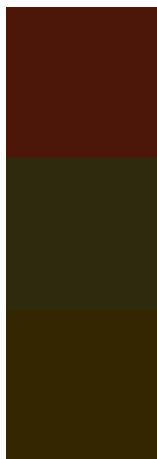


This preview shows how white text looks on a background with the CIELCh color 16, 32.126, 39.381.

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, 32.345, 39.968

Protanopia

17, 18.559, 98.445

Deuteranopia

16, 23.935, 86.348



Tritanopia
16, 29.986, 28.113

Trichromacy



Original Color
16, 32.345, 39.968

Protanomaly
16, 20.174, 67.109

Deuteranomaly
16, 24.803, 64.322

Tritanomaly
16, 30.708, 33.199

Monochromacy



Original Color
16, 32.345, 39.968

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 11.091, 40.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 32.126, 39.381 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(76, 22, 9)` looks like.

```
.text, #text, p{  
    color:rgb(76, 22, 9)  
}
```

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(76, 22, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 22, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 32.126, 39.381 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(76, 22, 9) }
```

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

```
.border{ border-color:rgb(76, 22, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 22, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 22, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 22, 9); box-shadow:4px  
4px 4px 4px rgb(76, 22, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 32.126, 39.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 22, 9) }
```

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

```
.background{ background-color: rgb(76, 22,  
9) }
```

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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