

Converting Colors

CIELCh(16, 23.628, 45.054)

Have a look what the booklet for
CIELCh(16, 23.628, 45.054) contains.

CIELCh(16, 23.609, 45.102)	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, 23.609, 45.102)

Conversions

Conversions Part 1

Format	Color
Hex	421D10
RGB	66, 29, 16
RGB Percent	26%, 11%, 6%
CMY	0.7400, 0.8852, 0.9361
CMYK	0.00, 0.56, 0.75, 0.74
HSL	16°, 61%, 16%
HSV	16°, 75%, 26%
XYZ	2.8094, 2.0993, 0.7594
YIQ	38.5810, 26.2250, 3.8010

Conversions

Conversions Part 2

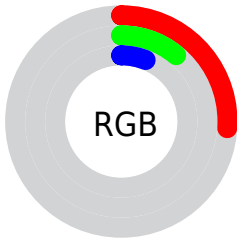
Format	Color
RYB	66, 34, 16
Decimal	4332816
CIELab	16.00, 16.66, 16.72
CIElCh	16, 23.609, 45.102
Yxy	2.0993, 0.4957, 0.3704
Android (android.graphics.Color)	4282522896 (0xFF421D10)
YUV	38.5810, -11.1324, 24.0465
Hunter-Lab	14.4890, 9.2556, 7.0347

Details

The CIELCh color **16, 23.609, 45.102** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 14.448, 235.636**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 23.652, 46.312**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.561, 43.507**, and if you desaturate by 10%, it is **17, 19.996, 45.285**.

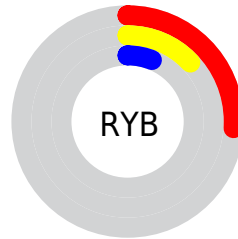
Distribution



Red (26%)

Green (11%)

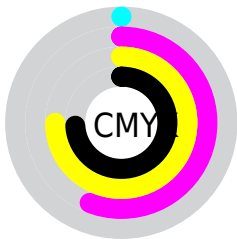
Blue (6%)



Red (26%)

Yellow (13%)

Blue (6%)

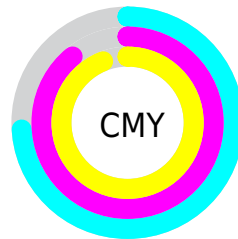


Cyan (0%)

Magenta (56%)

Yellow (75%)

Black (74%)



Cyan (74%)

Magenta (89%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 23.609, 45.102 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, 23.609, 45.102 by changing the saturation by 10% instead.

 16, 23.609, 45.102

 16, 23.609, 45.102

 100, 23.609,
45.102

 6, 23.609, 45.102

 0, 23.609, 45.102

 36, 23.609, 45.102

 46, 23.609, 45.102

 56, 23.609, 45.102

 66, 23.609, 45.102

 76, 23.609, 45.102

 86, 23.609, 45.102

 96, 23.609, 45.102

■ 16, 23.609, 45.102

■ 16, 23.609, 45.102

■ 15, 26.561, 43.507

■ 17, 19.996, 45.285

■ 14, 29.177, 41.880

■ 19, 16.376, 45.181

■ 13, 30.348, 41.398

■ 20, 12.956, 45.204

■ 22, 9.748, 45.341

■ 24, 6.750, 45.573

■ 25, 3.951, 45.872

■ 27, 1.339, 46.141

■ 29, 1.103, 226.971

■ 31, 3.392, 227.293

Harmonies

Complementary

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



16, 23.609, 45.102



20, 14.448, 235.636

Rectangle

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



16, 23.609, 45.102



16, 23.609, 95.102



16, 23.609, 225.102



16, 23.609, 275.102

Sweetspot

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



16, 23.608, 45.105



32, 7.597, 45.613



14, 31.105, 337.395



14, 5.206, 45.567



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 23.608, 45.105



20, 36.257, 44.962



23, 24.872, 88.743



12, 1.392, 46.081



21, 44.194, 44.886



51, 88.074, 45.247

Inverse Universe

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



20, 14.448, 235.636



26, 19.517, 240.986



12, 27.135, 290.394



12, 1.335, 227.075



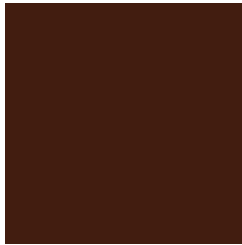
28, 22.369, 244.934



64, 42.157, 248.819

Previews

White Background



This preview shows how the CIE LCh color 16, 23.609, 45.102 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



This preview shows how the CIE LCh color 16, 23.609, 45.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

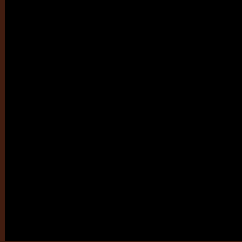
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 23.609, 45.102

Background



This preview shows how black text looks on a background with the CIELCh color 16, 23.609, 45.102.

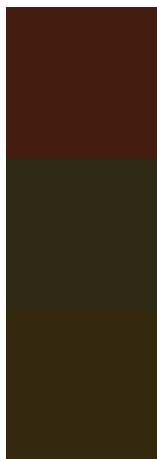


This preview shows how white text looks on a background with the CIELCh color 16, 23.609, 45.102.

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, 23.609, 45.102

Protanopia

16, 14.518, 97.558

Deuteranopia

16, 18.111, 83.569



Tritanopia
16, 20.514, 21.723

Trichromacy



Original Color

16, 23.609, 45.102

Protanomaly

16, 15.649, 71.471

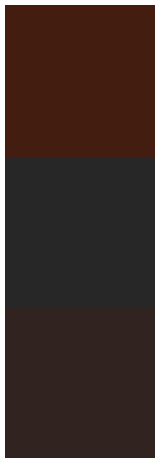
Deuteranomaly

16, 18.967, 64.779

Tritanomaly

16, 21.534, 30.665

Monochromacy



Original Color

16, 23.609, 45.102

Achromatopsia

16, 0.003, 296.813

Achromatomaly

15, 7.960, 41.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 23.609, 45.102 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(66, 29, 16)` looks like.

```
.text, #text, p{  
    color:rgb(66, 29, 16)  
}
```

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(66, 29, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 29, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 23.609, 45.102 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(66, 29, 16) }
```

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

```
.border{ border-color:rgb(66, 29, 16) }
```

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

Here you see how a box with a 4 pixel rgb(66, 29, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 29, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 29, 16);  
box-shadow:4px 4px 4px 4px rgb(66, 29, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 23.609, 45.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 29, 16) }
```

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

```
.background{ background-color: rgb(66, 29,  
16) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor