

Converting Colors

CIELCh(16, 23.987, 51.594)

Have a look what the booklet for
CIELCh(16, 23.987, 51.594) contains.

CIELCh(16, 24.175, 50.804)	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, 24.175, 50.804)

Conversions

Conversions Part 1

Format	Color
Hex	411E0C
RGB	65, 30, 12
RGB Percent	25%, 12%, 5%
CMY	0.7441, 0.8815, 0.9517
CMYK	0.00, 0.54, 0.81, 0.74
HSL	20°, 68%, 15%
HSV	20°, 81%, 26%
XYZ	2.7345, 2.0993, 0.6188
YIQ	38.4130, 26.6380, 1.8220

Conversions

Conversions Part 2

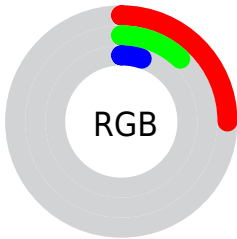
Format	Color
R_{YB}	65, 39, 12
Decimal	4267532
CIE Lab	16.00, 15.28, 18.74
CIE LCh	16, 24.175, 50.804
Yxy	2.0993, 0.5015, 0.3850
Android (android.graphics.Color)	4282457612 (0xFF411E0C)
YUV	38.4130, -13.0216, 23.3168
Hunter-Lab	14.4890, 8.3328, 7.6101

Details

The CIELCh color **16, 24.175, 50.804** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 15.796, 250.259**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 24.196, 51.788**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 26.645, 48.587**, and if you desaturate by 10%, it is **17, 21.142, 52.241**.

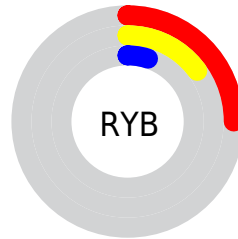
Distribution



Red (25%)

Green (12%)

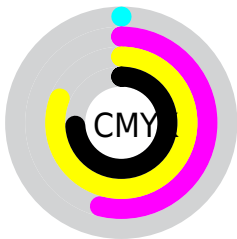
Blue (5%)



Red (25%)

Yellow (15%)

Blue (5%)

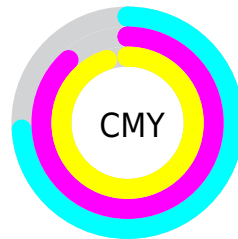


Cyan (0%)

Magenta (54%)

Yellow (81%)

Black (74%)



Cyan (74%)

Magenta (88%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 24.175, 50.804 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, 24.175, 50.804 by changing the saturation by 10% instead.

 16, 24.175, 50.804

 16, 24.175, 50.804

 100, 24.175,
50.804

 6, 24.175, 50.804

 36, 24.175, 50.804

 0, 24.175, 50.804

 46, 24.175, 50.804

 56, 24.175, 50.804

 66, 24.175, 50.804

 76, 24.175, 50.804

 86, 24.175, 50.804

 96, 24.175, 50.804

■ 16, 24.175, 50.804

■ 16, 24.175, 50.804

■ 15, 26.645, 48.587

■ 17, 21.142, 52.241

■ 14, 28.790, 47.090

■ 19, 17.649, 52.656

■ 20, 14.303, 53.105

■ 21, 11.139, 53.621

■ 23, 8.162, 54.199

■ 24, 5.366, 54.822

■ 26, 2.740, 55.462

■ 27, 0.270, 55.438

■ 29, 2.059, 237.080

Harmonies

Complementary

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



16, 24.175, 50.804



18, 15.796, 250.259

Rectangle

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



16, 24.175, 50.804



16, 24.175, 100.804



16, 24.175, 230.804



16, 24.175, 280.804

Sweetspot

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



16, 24.174, 50.808



31, 7.622, 54.578



13, 30.579, 342.309



15, 5.310, 54.476



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, 24.174, 50.808



19, 36.393, 49.457



24, 27.597, 94.082



12, 1.375, 55.618



22, 42.773, 49.795



53, 84.453, 48.952

Inverse Universe

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



18, 15.796, 250.259



22, 21.796, 257.319



9, 32.500, 296.046



12, 1.327, 237.100



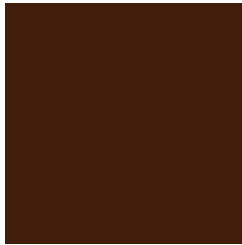
25, 24.832, 259.410



59, 47.850, 263.643

Previews

White Background



This preview shows how the CIELCh color 16, 24.175, 50.804 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, 24.175, 50.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

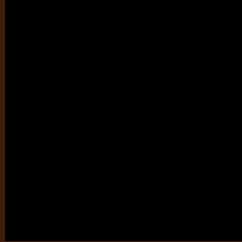
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 24.175, 50.804

Background



This preview shows how black text looks on a background with the CIELCh color 16, 24.175, 50.804.

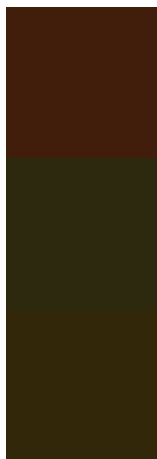


This preview shows how white text looks on a background with the CIELCh color 16, 24.175, 50.804.

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, 24.175, 50.804

Protanopia

16, 17.449, 98.221

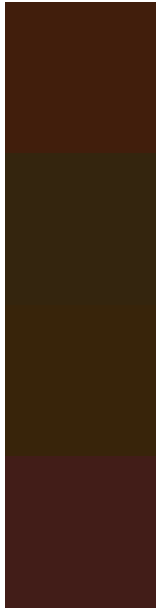
Deuteranopia

16, 20.217, 85.379



Tritanopia
16, 20.000, 21.469

Trichromacy



Original Color
16, 24.175, 50.804

Protanomaly
16, 17.829, 77.216

Deuteranomaly
16, 20.626, 71.664

Tritanomaly
16, 20.927, 34.028

Monochromacy



Original Color
16, 24.175, 50.804

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 8.604, 55.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 24.175, 50.804 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(65, 30, 12)` looks like.

```
.text, #text, p{  
    color:rgb(65, 30, 12)  
}
```

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(65, 30, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 30, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 24.175, 50.804 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(65, 30, 12) }
```

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

```
.border{ border-color:rgb(65, 30, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 30, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 30, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 30, 12);  
box-shadow:4px 4px 4px 4px rgb(65, 30, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 24.175, 50.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 30, 12) }
```

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

```
.background{ background-color: rgb(65, 30,  
12) }
```

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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