

Converting Colors

CIELCh(16, 25.059, 50.631)

Have a look what the booklet for
CIELCh(16, 25.059, 50.631) contains.

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Color

CIELCh(16, 24.979, 51.030)

Conversions

Conversions Part 1

Format	Color
Hex	421E0B
RGB	66, 30, 11
RGB Percent	26%, 12%, 4%
CMY	0.7417, 0.8828, 0.9576
CMYK	0.00, 0.55, 0.84, 0.74
HSL	21°, 72%, 15%
HSV	21°, 84%, 26%
XYZ	2.7577, 2.0993, 0.5709
YIQ	38.5980, 27.5550, 1.7230

Conversions

Conversions Part 2

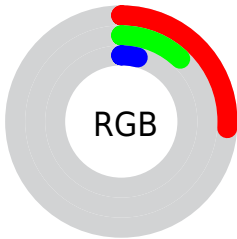
Format	Color
R_{YB}	66, 40, 11
Decimal	4333067
CIE _{Lab}	16.00, 15.71, 19.42
CIE _{LCh}	16, 24.979, 51.030
Yxy	2.0993, 0.5081, 0.3868
Android (android.graphics.Color)	4282523147 (0xFF421E0B)
YUV	38.5980, -13.6058, 24.0316
Hunter-Lab	14.4890, 8.6183, 7.8062

Details

The CIELCh color **16, 24.979, 51.030** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 16.385, 252.371**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 25.027, 52.271**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 27.424, 48.878**, and if you desaturate by 10%, it is **17, 22.092, 52.761**.

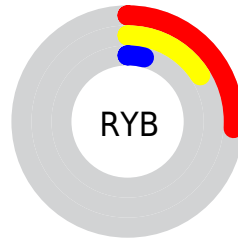
Distribution



Red (26%)

Green (12%)

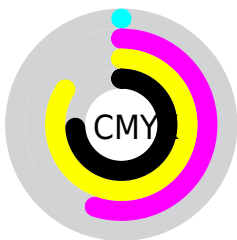
Blue (4%)



Red (26%)

Yellow (16%)

Blue (4%)

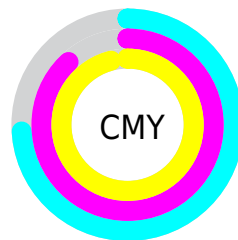


Cyan (0%)

Magenta (55%)

Yellow (84%)

Black (74%)



Cyan (74%)

Magenta (88%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 24.979, 51.030 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, 24.979, 51.030 by changing the saturation by 10% instead.

 16, 24.979, 51.030

 16, 24.979, 51.030

 100, 24.979,
51.030

 6, 24.979, 51.030

 36, 24.979, 51.030

 0, 24.979, 51.030

 46, 24.979, 51.030

 56, 24.979, 51.030

 66, 24.979, 51.030

 76, 24.979, 51.030

 86, 24.979, 51.030

 96, 24.979, 51.030

■ 16, 24.979, 51.030

■ 16, 24.979, 51.030

■ 15, 27.424, 48.878

■ 17, 22.092, 52.761

■ 14, 28.986, 47.827

■ 19, 18.602, 53.307

■ 20, 15.199, 53.787

■ 21, 11.974, 54.329

■ 23, 8.935, 54.930

■ 24, 6.077, 55.578

■ 26, 3.392, 56.250

■ 27, 0.866, 56.792

■ 29, 1.516, 237.935

Harmonies

Complementary

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



16, 24.979, 51.030



18, 16.385, 252.371

Rectangle

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



16, 24.979, 51.030



16, 24.979, 101.030



16, 24.979, 231.030



16, 24.979, 281.030

Sweetspot

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



16, 24.978, 51.033



32, 8.164, 55.411



13, 31.341, 342.631



14, 5.506, 55.320



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, 24.978, 51.033



20, 38.366, 49.846



24, 28.416, 93.820



12, 1.376, 56.576



22, 42.639, 50.340



53, 84.082, 49.385

Inverse Universe

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



18, 16.385, 252.371



22, 23.092, 259.880



9, 33.854, 296.690



12, 1.329, 238.100



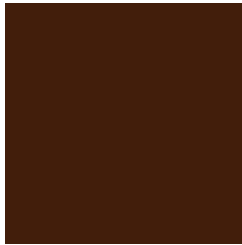
25, 25.153, 260.717



58, 48.567, 264.953

Previews

White Background



This preview shows how the CIELCh color 16, 24.979, 51.030 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, 24.979, 51.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

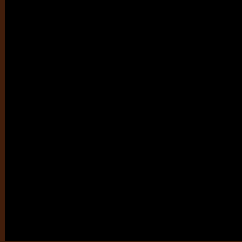
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 24.979, 51.030

Background



This preview shows how black text looks on a background with the CIELCh color 16, 24.979, 51.030.

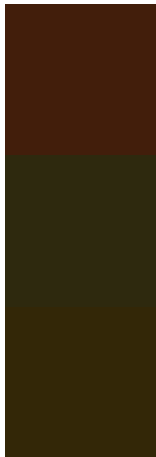


This preview shows how white text looks on a background with the CIELCh color 16, 24.979, 51.030.

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, 24.979, 51.030

Protanopia

16, 18.053, 96.536

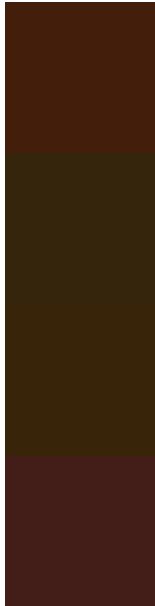
Deuteranopia

16, 20.991, 85.954



Tritanopia
16, 20.514, 21.723

Trichromacy



Original Color
16, 24.979, 51.030

Protanomaly
16, 18.592, 76.304

Deuteranomaly
16, 21.335, 72.670

Tritanomaly
16, 21.763, 35.525

Monochromacy



Original Color
16, 24.979, 51.030

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 8.649, 54.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 24.979, 51.030 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, 30, 11)` looks like.

```
.text, #text, p{  
    color:rgb(66, 30, 11)  
}
```

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, 30, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 30, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 24.979, 51.030 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, 30, 11) }
```

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

```
.border{ border-color:rgb(66, 30, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 30, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 30, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 30, 11);  
box-shadow:4px 4px 4px 4px rgb(66, 30, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 24.979, 51.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 30, 11) }
```

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

```
.background{ background-color: rgb(66, 30,  
11) }
```

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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