

Converting Colors

CIELCh(16, 32.433, 11.459)

Have a look what the booklet for
CIELCh(16, 32.433, 11.459) contains.

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Color

CIELCh(16, 32.402, 11.427)

Conversions

Conversions Part 1

Format	Color
Hex	500D20
RGB	80, 13, 32
RGB Percent	31%, 5%, 13%
CMY	0.6862, 0.9489, 0.8744
CMYK	0.00, 0.84, 0.60, 0.69
HSL	343°, 72%, 18%
HSV	343°, 84%, 31%
XYZ	3.7154, 2.0993, 1.5771
YIQ	35.1990, 33.8330, 20.1130

Conversions

Conversions Part 2

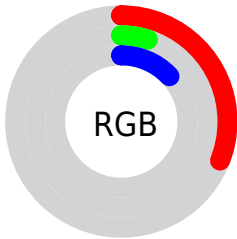
Format	Color
RYB	80, 13, 32
Decimal	5246240
CIELab	16.00, 31.76, 6.42
CIELCh	16, 32.402, 11.427
Yxy	2.0993, 0.5026, 0.2840
Android (android.graphics.Color)	4283436320 (0xFF500D20)
YUV	35.1990, -1.5771, 39.2905
Hunter-Lab	14.4890, 20.4166, 3.6885

Details

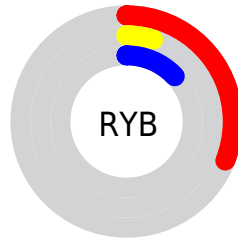
The CIELCh color **16, 32.402, 11.427** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30, 25.938, 167.757**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 32.506, 10.763**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 35.190, 15.041**, and if you desaturate by 10%, it is **17, 29.255, 8.265**.

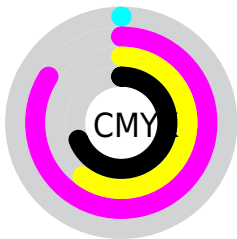
Distribution



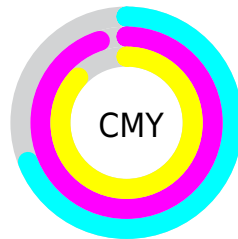
- Red (31%)
- Green (5%)
- Blue (13%)



- Red (31%)
- Yellow (5%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (60%)
- Black (69%)



- Cyan (69%)
- Magenta (95%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 32.402, 11.427 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, 32.402, 11.427 by changing the saturation by 10% instead.

 16, 32.402, 11.427

 16, 32.402, 11.427

 100, 32.402,
11.427

 6, 32.402, 11.427

 36, 32.402, 11.427

 0, 32.402, 11.427

 46, 32.402, 11.427

 56, 32.402, 11.427

 66, 32.402, 11.427

 76, 32.402, 11.427

 86, 32.402, 11.427

 96, 32.402, 11.427

■ 16, 32.402, 11.427

■ 16, 32.402, 11.427

■ 15, 35.190, 15.041

■ 17, 29.255, 8.265

■ 14, 37.134, 17.039

■ 19, 25.641, 5.714

■ 21, 21.701, 3.648

■ 23, 17.585, 1.953

■ 26, 13.421, 0.538

■ 28, 9.300, 359.333

■ 30, 5.283, 358.282

■ 33, 1.405, 357.250

■ 36, 2.317, 176.738

Harmonies

Complementary

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



16, 32.402, 11.427



30, 25.938, 167.757

Rectangle

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



16, 32.402, 11.427



16, 32.402, 61.427



16, 32.402, 191.427



16, 32.402, 241.427

Sweetspot

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



16, 32.400, 11.429



36, 12.271, 359.582



15, 45.451, 318.247



17, 8.467, 359.820



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 32.400, 11.429



20, 45.115, 19.261



18, 32.354, 41.255



15, 2.166, 357.792



49, 82.785, 23.508

Inverse Universe

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



16, 32.400, 11.429



20, 45.115, 19.261



26, 17.449, 227.939



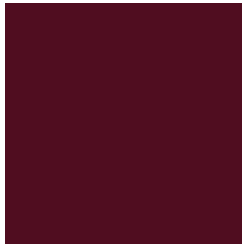
15, 2.166, 357.792



49, 82.785, 23.508

Previews

White Background



This preview shows how the CIE LCh color 16, 32.402, 11.427 looks on a white background.

Color Contrast Check

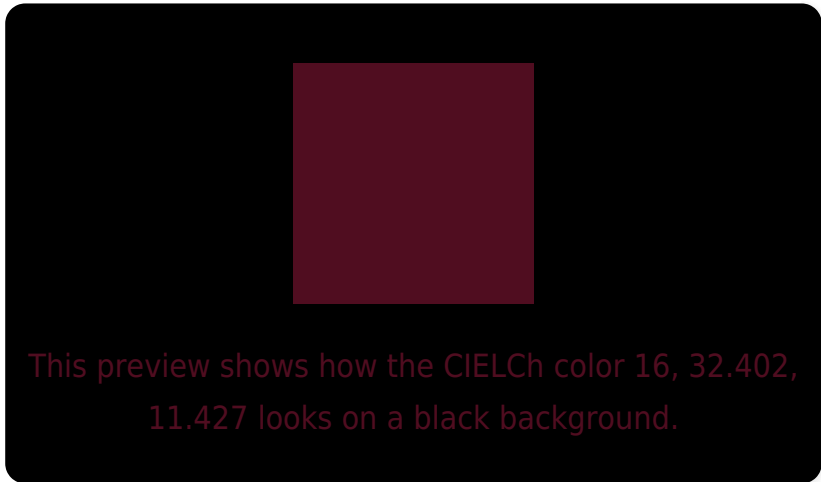
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.402, 11.427

Background



This preview shows how black text looks on a background with the CIELCh color 16, 32.402, 11.427.



This preview shows how white text looks on a background with the CIELCh color 16, 32.402, 11.427.

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, 32.402, 11.427

Protanopia

17, 2.087, 290.728

Deuteranopia

17, 9.380, 73.490



Tritanopia
16, 33.329, 30.447

Trichromacy



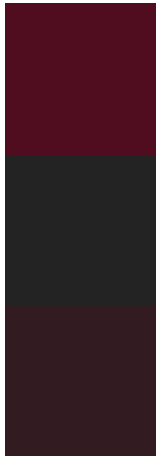
Original Color
16, 32.402, 11.427

Protanomaly
15, 13.674, 356.291

Deuteranomaly
16, 16.477, 23.992

Tritanomaly
16, 32.434, 24.718

Monochromacy



Original Color
16, 32.402, 11.427

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 13.015, 1.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 32.402, 11.427 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(80, 13, 32)` looks like.

```
.text, #text, p{  
    color:rgb(80, 13, 32)  
}
```


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(80, 13, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 13, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 32.402, 11.427 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(80, 13, 32) }
```

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

```
.border{ border-color:rgb(80, 13, 32) }
```

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

Here you see how a box with a 4 pixel rgb(80, 13, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 13, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 13, 32);  
box-shadow:4px 4px 4px 4px rgb(80, 13, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 32.402, 11.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 13, 32) }
```

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

```
.background{ background-color: rgb(80, 13,  
32) }
```

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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