

Converting Colors

CIELCh(16, 8.385, 60.612)

Have a look what the booklet for
CIELCh(16, 8.385, 60.612) contains.

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Color

CIELCh(16, 8.116, 57.187)

Conversions

Conversions Part 1	
Format	Color
Hex	31251E
RGB	49, 37, 30
RGB Percent	19%, 15%, 12%
CMY	0.8065, 0.8537, 0.8812
CMYK	0.00, 0.24, 0.39, 0.81
HSL	22°, 24%, 16%
HSV	22°, 39%, 19%
XYZ	2.1923, 2.0993, 1.5385
YIQ	39.7900, 9.3990, 0.3670

Conversions

Conversions Part 2

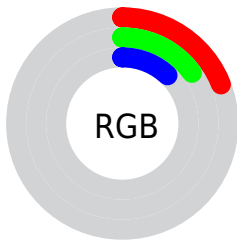
Format	Color
RYB	49, 41, 30
Decimal	3220766
CIELab	16.00, 4.40, 6.82
CIELCh	16, 8.116, 57.187
Yxy	2.0993, 0.3760, 0.3601
Android (android.graphics.Color)	4281410846 (0xFF31251E)
YUV	39.7900, -4.8265, 8.0772
Hunter-Lab	14.4890, 1.6533, 3.8466

Details

The CIELCh color **16, 8.116, 57.187** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 6.894, 244.234**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 8.095, 57.534**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 10.522, 56.544**, and if you desaturate by 10%, it is **17, 5.840, 57.881**.

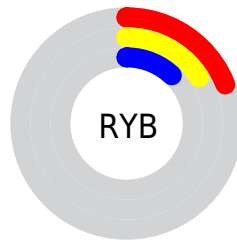
Distribution



Red (19%)

Green (15%)

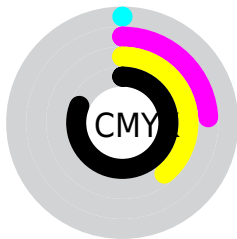
Blue (12%)



Red (19%)

Yellow (16%)

Blue (12%)

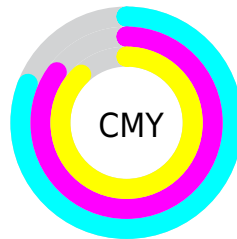


Cyan (0%)

Magenta (24%)

Yellow (39%)

Black (81%)



Cyan (81%)


Magenta (85%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 8.116, 57.187 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, 8.116, 57.187 by changing the saturation by 10% instead.

 16, 8.116, 57.187  16, 8.116, 57.187

 100, 8.116, 57.187  6, 8.116, 57.187

 36, 8.116, 57.187  0, 8.116, 57.187

 46, 8.116, 57.187

 56, 8.116, 57.187

















 66, 8.116, 57.187

 76, 8.116, 57.187

 86, 8.116, 57.187

 96, 8.116, 57.187

 16, 8.116, 57.187  16, 8.116, 57.187

 15, 10.522, 56.544	 17, 5.840, 57.881
 14, 13.046, 55.901	 18, 3.689, 58.589
 13, 15.297, 54.278	 19, 1.655, 59.280
 12, 17.143, 51.641	 21, 0.272, 240.797
 11, 18.793, 48.815	 22, 2.101, 241.003
 10, 20.462, 46.633	 23, 3.843, 241.735
 10, 20.702, 46.368	 24, 5.505, 242.485
	 25, 7.096, 243.231
	 27, 8.624, 243.967

Harmonies

Complementary

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



16, 8.116, 57.187



16, 6.894, 244.234

Rectangle

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



16, 8.116, 57.187



16, 8.116, 107.187



16, 8.116, 237.187



16, 8.116, 287.187

Sweetspot

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



16, 8.116, 57.194



25, 2.909, 59.008



14, 12.384, 339.657



12, 1.950, 59.008



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



16, 8.116, 57.194



20, 12.355, 56.553



19, 11.229, 100.613



8, 1.094, 59.215



21, 39.128, 51.620



52, 80.849, 50.738

Inverse Universe

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



16, 6.894, 244.234



21, 9.995, 245.823



13, 11.856, 288.519



8, 1.065, 240.828



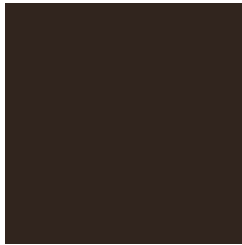
22, 24.495, 263.619



55, 49.320, 268.335

Previews

White Background



This preview shows how the CIELCh color 16, 8.116, 57.187 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, 8.116, 57.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

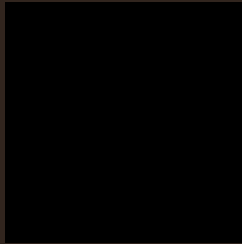
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 8.116, 57.187

Background



This preview shows how black text looks on a background with the CIELCh color 16, 8.116, 57.187.

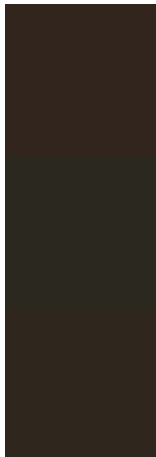


This preview shows how white text looks on a background with the CIELCh color 16, 8.116, 57.187.

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

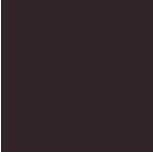
16, 8.116, 57.187

Protanopia

16, 6.454, 94.524

Deuteranopia

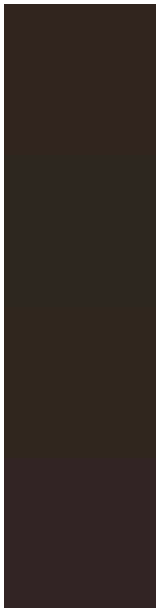
16, 7.393, 68.624



Tritanopia

16, 7.260, 4.606

Trichromacy



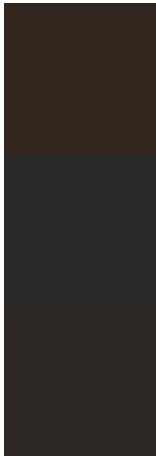
Original Color
16, 8.116, 57.187

Protanomaly
16, 6.421, 79.454

Deuteranomaly
16, 7.762, 65.663

Tritanomaly
16, 7.134, 21.159

Monochromacy



Original Color
16, 8.116, 57.187

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 2.899, 65.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 8.116, 57.187 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(49, 37, 30)` looks like.

```
.text, #text, p{  
    color:rgb(49, 37, 30)  
}
```

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(49, 37, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 37, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 8.116, 57.187 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(49, 37, 30) }
```

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

```
.border{ border-color:rgb(49, 37, 30) }
```

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

Here you see how a box with a 4 pixel rgb(49, 37, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 37, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 37, 30);  
box-shadow:4px 4px 4px 4px rgb(49, 37, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 8.116, 57.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 37, 30) }
```

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

```
.background{ background-color: rgb(49, 37,  
30) }
```

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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