

Converting Colors

CIELCh(16, 27.235, 58.767)

Have a look what the booklet for
CIELCh(16, 27.235, 58.767) contains.

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Color

CIELCh(16, 27.310, 59.111)

Conversions

Conversions Part 1

Format	Color
Hex	411F01
RGB	65, 31, 1
RGB Percent	25%, 12%, 0%
CMY	0.7454, 0.8787, 0.9965
CMYK	0.00, 0.52, 0.99, 0.75
HSL	28°, 97%, 13%
HSV	28°, 99%, 25%
XYZ	2.6677, 2.0993, 0.2901
YIQ	37.7460, 29.8940, -2.1220

Conversions

Conversions Part 2

Format	Color
RYB	65, 57, 1
Decimal	4267777
CIELab	16.00, 14.02, 23.44
CIELCh	16, 27.310, 59.111
Yxy	2.0993, 0.5275, 0.4151
Android (android.graphics.Color)	4282457857 (0xFF411F01)
YUV	37.7460, -18.1158, 23.9018
Hunter-Lab	14.4890, 7.5099, 8.9551

Details

The CIELCh color **16, 27.310, 59.111** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **13, 22.472, 274.021**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 27.148, 58.255**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 27.607, 58.866**, and if you desaturate by 10%, it is **17, 25.154, 61.167**.

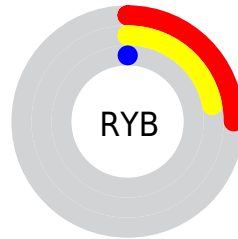
Distribution



 Red (25%)

 Green (12%)

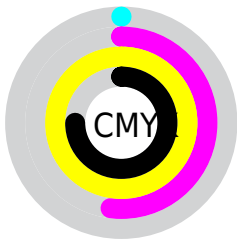
 Blue (0%)



 Red (25%)

 Yellow (22%)

 Blue (0%)



 Cyan (0%)

 Magenta (52%)

 Yellow (99%)

 Black (75%)



 Cyan (75%)

 Magenta (88%)

 Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 27.310, 59.111 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, 27.310, 59.111 by changing the saturation by 10% instead.

 16, 27.310, 59.111

 16, 27.310, 59.111

 100, 27.310,
59.111

 6, 27.310, 59.111

 36, 27.310, 59.111

 0, 27.310, 59.111

 46, 27.310, 59.111

 56, 27.310, 59.111

 66, 27.310, 59.111

 76, 27.310, 59.111

 86, 27.310, 59.111

 96, 27.310, 59.111

■ 16, 27.310, 59.111

■ 16, 27.310, 59.111

■ 16, 27.607, 58.866

■ 17, 25.154, 61.167

■ 18, 22.883, 63.440

■ 19, 19.863, 64.848

■ 20, 16.628, 65.900

■ 21, 13.488, 66.939

■ 23, 10.469, 67.978

■ 24, 7.580, 69.016

■ 25, 4.820, 70.047

■ 26, 2.182, 71.041

Harmonies

Complementary

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



16, 27.310, 59.111



13, 22.472, 274.021

Rectangle

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



16, 27.310, 59.111



16, 27.310, 109.111



16, 27.310, 239.111



16, 27.310, 289.111

Sweetspot

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



16, 27.310, 59.114



31, 9.917, 68.743



11, 32.244, 353.807



14, 6.855, 68.555



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, 27.310, 59.114



21, 35.946, 59.755



26, 34.774, 101.168



12, 1.431, 71.049



25, 40.949, 59.898



58, 78.696, 57.606

Inverse Universe

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



13, 22.472, 274.021



18, 28.114, 276.623



4, 43.571, 301.613



12, 1.403, 253.016



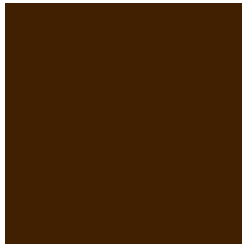
21, 31.529, 277.634



50, 62.354, 281.512

Previews

White Background



This preview shows how the CIELCh color 16, 27.310, 59.111 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, 27.310, 59.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

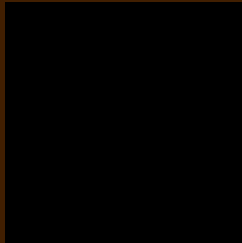
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 27.310, 59.111

Background



This preview shows how black text looks on a background with the CIELCh color 16, 27.310, 59.111.



This preview shows how white text looks on a background with the CIELCh color 16, 27.310, 59.111.

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, 27.310, 59.111

Protanopia

16, 21.448, 97.328

Deuteranopia

16, 23.935, 86.348



Tritanopia
16, 19.408, 21.073

Trichromacy



Original Color
16, 27.310, 59.111

Protanomaly
16, 22.027, 80.215

Deuteranomaly
16, 24.570, 74.980

Tritanomaly
16, 21.977, 41.942

Monochromacy



Original Color
16, 27.310, 59.111

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 10.149, 63.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 27.310, 59.111 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, 31, 1)` looks like.

```
.text, #text, p{  
    color:rgb(65, 31, 1)  
}
```

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, 31, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 31, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 27.310, 59.111 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, 31, 1) }
```

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

```
.border{ border-color:rgb(65, 31, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 31, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 31, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 31, 1); box-shadow:4px  
4px 4px 4px rgb(65, 31, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 27.310, 59.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 31, 1) }
```

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

```
.background{ background-color: rgb(65, 31,  
1) }
```

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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