

Converting Colors

CIE LCh(16, 38.560, 3.030)

Have a look what the booklet for
CIELCh(16, 38.560, 3.030) contains.

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Color

CIELCh(16, 38.322, 3.556)

Conversions

Conversions Part 1

Format	Color
Hex	560026
RGB	86, 0, 38
RGB Percent	34%, 0%, 15%
CMY	0.6637, 1.0000, 0.8518
CMYK	0.00, 1.00, 0.56, 0.66
HSL	334°, 100%, 17%
HSV	334°, 100%, 34%
XYZ	4.1581, 2.0993, 2.0029
YIQ	30.0460, 39.0580, 30.0500

Conversions

Conversions Part 2

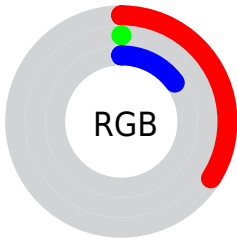
Format	Color
R_YB	86, 0, 38
Decimal	5636134
CIE Lab	16.00, 38.25, 2.38
CIE LCh	16, 38.322, 3.556
Yxy	2.0993, 0.5034, 0.2541
Android (android.graphics.Color)	4283826214 (0xFF560026)
YUV	30.0460, 3.9213, 49.0717
Hunter-Lab	14.4890, 25.8706, 1.9462

Details

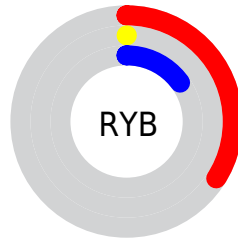
The CIELCh color **16, 38.322, 3.556** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 36.397, 154.299**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 38.400, 3.820**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.240, 3.626**, and if you desaturate by 10%, it is **17, 35.975, 0.768**.

Distribution



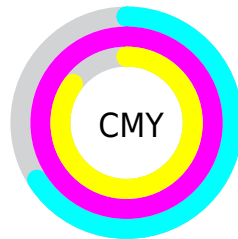
- Red (34%)
- Green (0%)
- Blue (15%)



- Red (34%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (66%)



- Cyan (66%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 38.322, 3.556 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, 38.322, 3.556 by changing the saturation by 10% instead.

 16, 38.322, 3.556  16, 38.322, 3.556

 100, 38.322, 3.556  6, 38.322, 3.556

 36, 38.322, 3.556  0, 38.322, 3.556

 46, 38.322, 3.556

 56, 38.322, 3.556

 66, 38.322, 3.556

 76, 38.322, 3.556

 86, 38.322, 3.556

 96, 38.322, 3.556

 16, 38.322, 3.556  16, 38.322, 3.556

■ 16, 38.240, 3.626

■ 17, 35.975, 0.768

■ 18, 33.664,
357.895

■ 20, 30.563,
355.572

■ 22, 26.815,
353.683

■ 24, 22.613,
352.117

■ 26, 18.143,
350.793

■ 29, 13.555,
349.648

■ 31, 8.959, 348.639

■ 34, 4.426, 347.720

Harmonies

Complementary

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



16, 38.322, 3.556



31, 36.397, 154.299

Rectangle

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



16, 38.322, 3.556



16, 38.322, 53.556



16, 38.322, 183.556



16, 38.322, 233.556

Sweetspot

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



16, 38.240, 3.626



37, 16.934, 349.759



11, 55.426, 313.973



17, 11.443, 350.033



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 38.240, 3.626



23, 46.097, 5.332



16, 42.556, 35.082



16, 2.496, 347.612



21, 44.607, 5.061



50, 79.313, 8.526

Inverse Universe

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



16, 38.240, 3.626



23, 46.097, 5.332



31, 21.301, 204.015



16, 2.496, 347.612



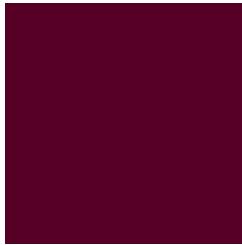
21, 44.607, 5.061



50, 79.313, 8.526

Previews

White Background



This preview shows how the CIE LCh color 16, 38.322, 3.556 looks on a white background.

Color Contrast Check

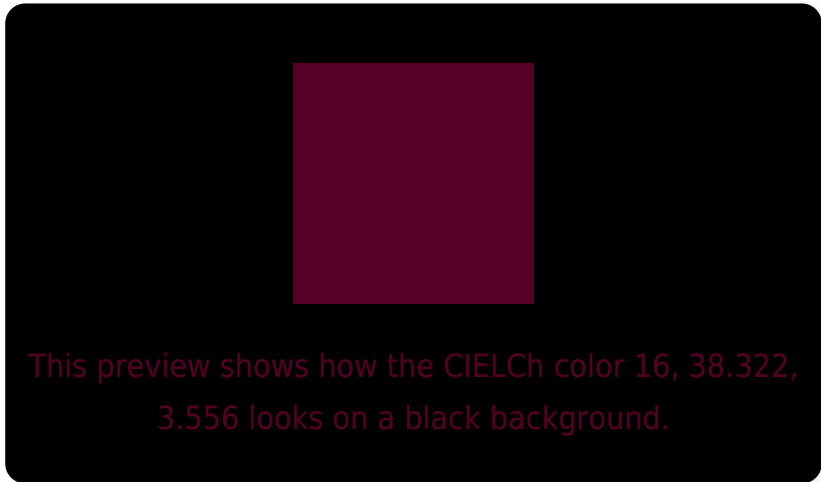
Large Text (above 18pt) WCAG AA ✓ Pass

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

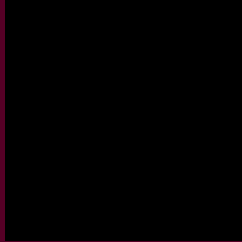
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 38.322, 3.556

Background



This preview shows how black text looks on a background with the CIELCh color 16, 38.322, 3.556.



This preview shows how white text looks on a background with the CIELCh color 16, 38.322, 3.556.

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, 38.322, 3.556

Protanopia

18, 7.617, 285.571

Deuteranopia

18, 7.624, 65.872



Tritanopia
17, 37.168, 31.709

Trichromacy



Original Color
16, 38.322, 3.556

Protanomaly
15, 19.689, 337.675

Deuteranomaly
15, 19.229, 9.100

Tritanomaly
17, 36.482, 22.371

Monochromacy



Original Color
16, 38.322, 3.556

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 17.840, 352.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 38.322, 3.556 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(86, 0, 38)` looks like.

```
.text, #text, p{  
    color:rgb(86, 0, 38)  
}
```

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(86, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 0, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 38.322, 3.556 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(86, 0, 38) }
```

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

```
.border{ border-color:rgb(86, 0, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 0, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 0, 38); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 0, 38); box-shadow:4px  
4px 4px 4px rgb(86, 0, 38) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 38.322, 3.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 0, 38) }
```

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

```
.background{ background-color: rgb(86, 0,  
38) }
```

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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