

Converting Colors

CIELCh(16, 39.091, 357.238)

Have a look what the booklet for
CIELCh(16, 39.091, 357.238)
contains.

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Color

CIELCh(16, 38.605, 356.923)

Conversions

Conversions Part 1

Format	Color
Hex	55002C
RGB	85, 0, 44
RGB Percent	33%, 0%, 17%
CMY	0.6674, 1.0000, 0.8280
CMYK	0.00, 1.00, 0.48, 0.67
HSL	329°, 100%, 17%
HSV	329°, 100%, 33%
XYZ	4.1794, 2.0993, 2.5531
YIQ	30.4310, 36.5360, 31.7040

Conversions

Conversions Part 2

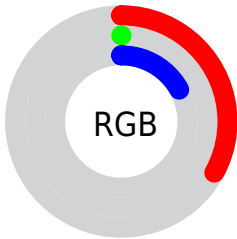
Format	Color
R_{YB}	85, 0, 44
Decimal	5570604
CIE Lab	16.00, 38.55, -2.07
CIE LCh	16, 38.605, 356.923
Yxy	2.0993, 0.4732, 0.2377
Android (android.graphics.Color)	4283760684 (0xFF55002C)
YUV	30.4310, 6.6895, 47.8570
Hunter-Lab	14.4890, 26.1337, -0.3054

Details

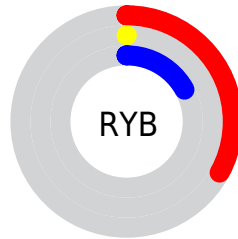
The CIELCh color **16, 38.605, 356.923** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 39.033, 150.312**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 38.860, 357.261**, and **3, 15.364, 17.901** is the 20% darker color. If you saturate the color by 10%, you get **16, 38.542, 356.964**, and if you desaturate by 10%, it is **17, 36.467, 354.609**.

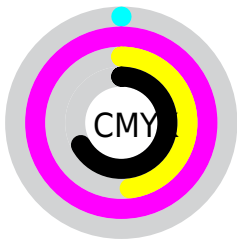
Distribution



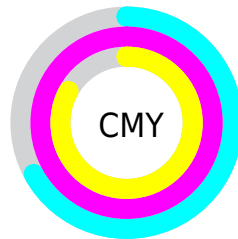
- Red (33%)
- Green (0%)
- Blue (17%)



- Red (33%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (67%)





- Cyan (67%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 38.605, 356.923 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, 38.605, 356.923 by changing the saturation by 10% instead.

 16, 38.605,
356.923

 16, 38.605,
356.923


 100, 38.605,
356.923


 6, 38.605, 356.923


 36, 38.605,
356.923

 0, 38.605, 356.923

 46, 38.605,
356.923


 56, 38.605,
356.923


 66, 38.605,
356.923


 76, 38.605,
356.923


 86, 38.605,

356.923


 96, 38.605,
356.923


 16, 38.605,
356.923

 16, 38.605,
356.923


 16, 38.542,
356.964

 17, 36.467,
354.609

 18, 34.299,
352.247

 20, 31.274,
350.319

 22, 27.541,
348.727

 24, 23.304,
347.385

■ 26, 18.756,
346.228

■ 28, 14.053,
345.209

■ 31, 9.312, 344.294

■ 33, 4.612, 343.451

Harmonies

Complementary

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



16, 38.605, 356.923



31, 39.033, 150.312

Rectangle

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



16, 38.605, 356.923



16, 38.605, 46.923



16, 38.605, 176.923



16, 38.605, 226.923

Sweetspot

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



16, 38.542, 356.964



37, 17.377, 345.305



10, 55.920, 312.072



17, 11.959, 345.558



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, 38.542, 356.964



22, 45.906, 358.320



15, 42.436, 31.842



16, 2.625, 343.351



22, 45.163, 358.205



51, 79.701, 1.084

Inverse Universe

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



16, 38.542, 356.964



22, 45.906, 358.320



32, 23.046, 191.772



16, 2.625, 343.351



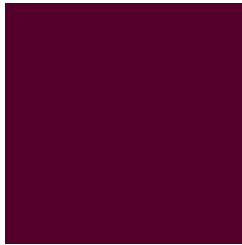
22, 45.163, 358.205



51, 79.701, 1.084

Previews

White Background



This preview shows how the CIELCh color 16, 38.605, 356.923 looks on a white background.

Color Contrast Check

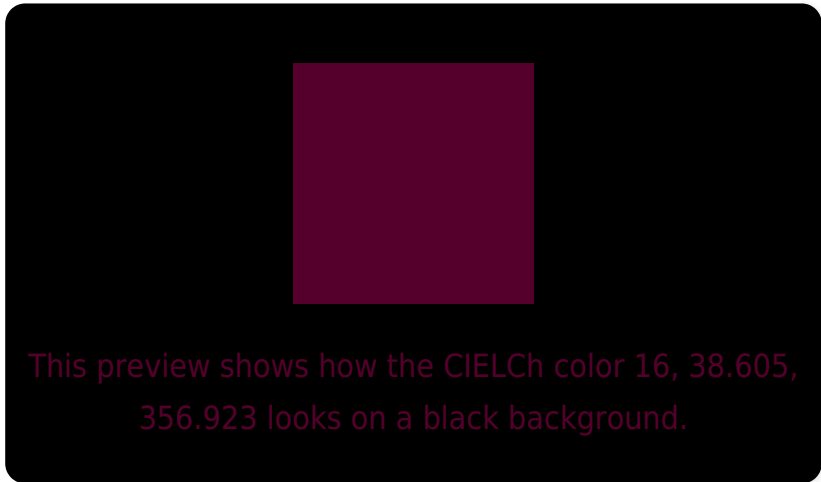
Large Text (above 18pt) WCAG AA ✓ Pass

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

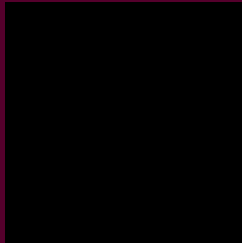
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 38.605, 356.923

Background



This preview shows how black text looks on a background with the CIELCh color 16, 38.605, 356.923.



This preview shows how white text looks on a background with the CIELCh color 16, 38.605, 356.923.

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, 38.605, 356.923

Protanopia

18, 13.223, 283.129

Deuteranopia

18, 4.051, 50.461



Tritanopia
17, 35.475, 30.314

Trichromacy



Original Color
16, 38.605, 356.923

Protanomaly
15, 22.494, 325.645

Deuteranomaly
15, 19.496, 356.282

Tritanomaly
17, 35.104, 18.120

Monochromacy



Original Color
16, 38.605, 356.923

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 18.413, 348.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 38.605, 356.923 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(85, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(85, 0, 44)  
}
```

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(85, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 0, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 38.605, 356.923 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(85, 0, 44) }
```

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

```
.border{ border-color:rgb(85, 0, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 0, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 0, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 0, 44); box-shadow:4px  
4px 4px 4px rgb(85, 0, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 38.605, 356.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 0, 44) }
```

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

```
.background{ background-color: rgb(85, 0,  
44) }
```

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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