

Converting Colors

CIELCh(16, 43.664, 33.808)

Have a look what the booklet for
CIELCh(16, 43.664, 33.808) contains.

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Color

CIELCh(16, 43.806, 34.100)

Conversions

Conversions Part 1

Format	Color
Hex	580201
RGB	88, 2, 1
RGB Percent	35%, 1%, 0%
CMY	0.6560, 0.9933, 0.9975
CMYK	0.00, 0.98, 0.99, 0.66
HSL	1°, 99%, 17%
HSV	1°, 99%, 34%
XYZ	4.0199, 2.0993, 0.2116
YIQ	27.6000, 51.5770, 17.9210

Conversions

Conversions Part 2

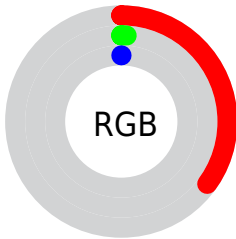
Format	Color
RYB	88, 2, 1
Decimal	5767681
CIELab	16.00, 36.27, 24.56
CIELCh	16, 43.806, 34.100
Yxy	2.0993, 0.6350, 0.3316
Android (android.graphics.Color)	4283957761 (0xFF580201)
YUV	27.6000, -13.1138, 52.9708
Hunter-Lab	14.4890, 24.1677, 9.2763

Details

The CIELCh color **16, 43.806, 34.100** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 22.593, 198.167**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 43.617, 33.850**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **16, 44.046, 34.146**, and if you desaturate by 10%, it is **17, 40.552, 33.279**.

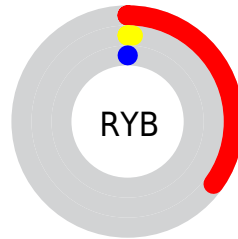
Distribution



Red (35%)

Green (1%)

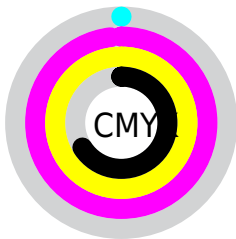
Blue (0%)



Red (35%)

Yellow (1%)

Blue (0%)

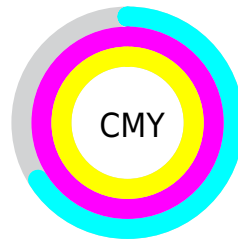


Cyan (0%)

Magenta (98%)

Yellow (99%)

Black (66%)



Cyan (66%)

Magenta (99%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 43.806, 34.100 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, 43.806, 34.100 by changing the saturation by 10% instead.

 16, 43.806, 34.100

 16, 43.806, 34.100

 100, 43.806,
34.100

 6, 43.806, 34.100

 36, 43.806, 34.100

 0, 43.806, 34.100

 46, 43.806, 34.100

 56, 43.806, 34.100

 66, 43.806, 34.100

 76, 43.806, 34.100

 86, 43.806, 34.100

 96, 43.806, 34.100

■ 16, 43.806, 34.100

■ 16, 43.806, 34.100

■ 16, 44.046, 34.146

■ 17, 40.552, 33.279

■ 18, 36.654, 31.822

■ 20, 31.659, 29.135

■ 22, 26.537, 26.838

■ 24, 21.478, 25.011

■ 27, 16.593, 23.579

■ 29, 11.953, 22.461

■ 32, 7.592, 21.582

■ 35, 3.522, 20.859

Harmonies

Complementary

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



16, 43.806, 34.100



33, 22.593, 198.167

Rectangle

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



16, 43.806, 34.100



16, 43.806, 84.100



16, 43.806, 214.100



16, 43.806, 264.100

Sweetspot

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



16, 43.805, 34.103



38, 15.379, 22.636



19, 52.893, 328.220



18, 10.675, 22.922



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



16, 43.805, 34.103



23, 55.717, 37.638



23, 36.967, 62.668



16, 2.101, 20.824



21, 52.498, 36.889



49, 98.028, 40.096

Inverse Universe

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



33, 22.593, 198.167



43, 27.334, 198.229



18, 30.603, 280.045



17, 1.997, 200.131



40, 26.031, 198.215



84, 46.223, 198.340

Previews

White Background



This preview shows how the CIELCh color 16, 43.806, 34.100 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

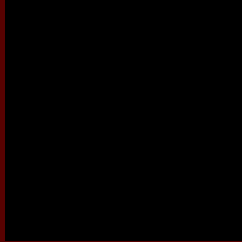
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 43.806, 34.100

Background



This preview shows how black text looks on a background with the CIELCh color 16, 43.806, 34.100.



This preview shows how white text looks on a background with the CIELCh color 16, 43.806, 34.100.

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, 43.806, 34.100

Protanopia

18, 21.306, 95.778

Deuteranopia

18, 25.888, 86.144



Tritanopia
17, 42.500, 36.716

Trichromacy



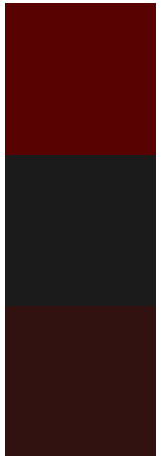
Original Color
16, 43.806, 34.100

Protanomaly
15, 25.212, 53.089

Deuteranomaly
16, 29.465, 52.428

Tritanomaly
16, 42.836, 35.939

Monochromacy



Original Color
16, 43.806, 34.100

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.458, 26.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 43.806, 34.100 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(88, 2, 1)` looks like.

```
.text, #text, p{  
    color:rgb(88, 2, 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(88, 2, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 2, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 43.806, 34.100 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(88, 2, 1) }
```

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

```
.border{ border-color:rgb(88, 2, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 2, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 2, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 2, 1); box-shadow:4px  
4px 4px 4px rgb(88, 2, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 43.806, 34.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 2, 1) }
```

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

```
.background{ background-color: rgb(88, 2,  
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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