

Converting Colors

CIELCh(16, 41.657, 32.284)

Have a look what the booklet for
CIELCh(16, 41.657, 32.284) contains.

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Color

CIELCh(16, 41.582, 32.188)

Conversions

Conversions Part 1

Format	Color
Hex	560406
RGB	86, 4, 6
RGB Percent	34%, 2%, 2%
CMY	0.6616, 0.9831, 0.9750
CMYK	0.00, 0.95, 0.93, 0.66
HSL	359°, 90%, 18%
HSV	359°, 95%, 34%
XYZ	3.9454, 2.0993, 0.3800
YIQ	28.7460, 48.2300, 18.0060

Conversions

Conversions Part 2

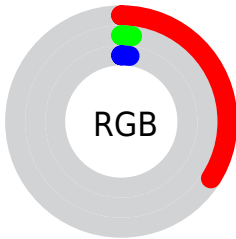
Format	Color
R_{YB}	86, 4, 6
Decimal	5637126
CIE Lab	16.00, 35.19, 22.15
CIE LCh	16, 41.582, 32.188
Yxy	2.0993, 0.6141, 0.3268
Android (android.graphics.Color)	4283827206 (0xFF560406)
YUV	28.7460, -11.2138, 50.2118
Hunter-Lab	14.4890, 23.2498, 8.5872

Details

The CIELCh color **16, 41.582, 32.188** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 22.724, 193.064**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.607, 32.328**, and **3, 12.529, 17.560** is the 20% darker color. If you saturate the color by 10%, you get **15, 43.206, 32.469**, and if you desaturate by 10%, it is **17, 38.279, 31.054**.

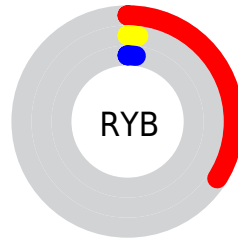
Distribution



Red (34%)

Green (2%)

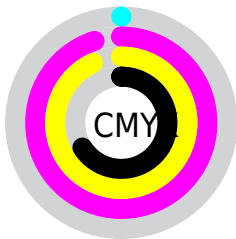
Blue (2%)



Red (34%)

Yellow (2%)

Blue (2%)

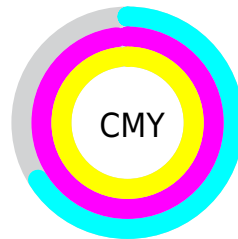


Cyan (0%)

Magenta (95%)

Yellow (93%)

Black (66%)



Cyan (66%)

Magenta (98%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.582, 32.188 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, 41.582, 32.188 by changing the saturation by 10% instead.

 16, 41.582, 32.188

 16, 41.582, 32.188

 100, 41.582,
32.188

 6, 41.582, 32.188

 36, 41.582, 32.188

 0, 41.582, 32.188

 46, 41.582, 32.188

 56, 41.582, 32.188

 66, 41.582, 32.188

 76, 41.582, 32.188

 86, 41.582, 32.188

 96, 41.582, 32.188

■ 16, 41.582, 32.188

■ 16, 41.582, 32.188

■ 15, 43.206, 32.469

■ 17, 38.279, 31.054

■ 18, 33.881, 28.429

■ 20, 28.997, 25.670

■ 22, 24.052, 23.441

■ 25, 19.179, 21.675

■ 27, 14.476, 20.282

■ 30, 10.007, 19.175

■ 32, 5.801, 18.281

■ 35, 1.868, 17.470

Harmonies

Complementary

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



16, 41.582, 32.188



33, 22.724, 193.064

Rectangle

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



16, 41.582, 32.188



16, 41.582, 82.188



16, 41.582, 212.188



16, 41.582, 262.188

Sweetspot

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



16, 41.580, 32.191



38, 14.105, 19.582



19, 51.171, 326.957



17, 9.717, 19.880



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, 41.580, 32.191



22, 54.214, 36.127



23, 35.234, 60.391



16, 2.127, 17.789



21, 52.105, 35.591



49, 97.167, 39.241

Inverse Universe

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



16, 41.580, 32.191



22, 54.214, 36.127



19, 27.168, 274.815



16, 2.127, 17.789



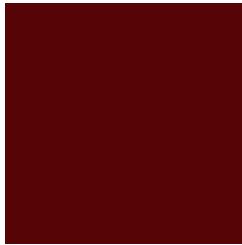
21, 52.105, 35.591



49, 97.167, 39.241

Previews

White Background



This preview shows how the CIELCh color 16, 41.582, 32.188 looks on a white background.

Color Contrast Check

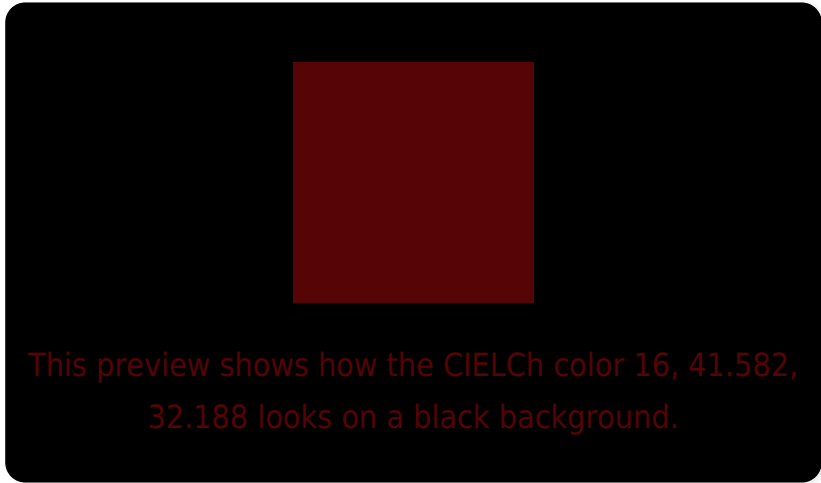
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.582, 32.188

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.582, 32.188.

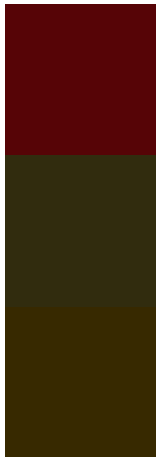


This preview shows how white text looks on a background with the CIELCh color 16, 41.582, 32.188.

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, 41.582, 32.188

Protanopia

18, 19.823, 97.057

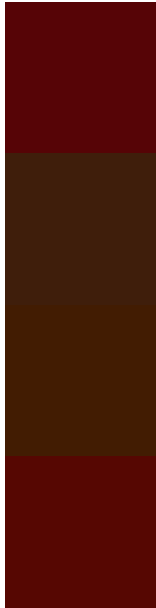
Deuteranopia

17, 25.321, 85.796



Tritanopia
16, 42.030, 36.605

Trichromacy



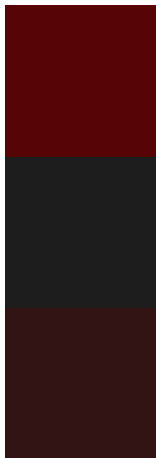
Original Color
16, 41.582, 32.188

Protanomaly
16, 23.459, 52.665

Deuteranomaly
15, 27.757, 53.564

Tritanomaly
16, 41.792, 35.281

Monochromacy



Original Color
16, 41.582, 32.188

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 16.550, 22.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.582, 32.188 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, 4, 6)` looks like.

```
.text, #text, p{  
    color:rgb(86, 4, 6)  
}
```

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, 4, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 4, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.582, 32.188 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, 4, 6) }
```

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

```
.border{ border-color:rgb(86, 4, 6) }
```

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

Here you see how a box with a 4 pixel rgb(86, 4, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 4, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(86, 4, 6); box-shadow:4px  
4px 4px 4px rgb(86, 4, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.582, 32.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 4, 6) }
```

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

```
.background{ background-color: rgb(86, 4,  
6) }
```

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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