

Converting Colors

CIELCh(17, 38.106, 31.982)

Have a look what the booklet for
CIELCh(17, 38.106, 31.982) contains.

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Color

CIELCh(17, 38.092, 32.029)

Conversions

Conversions Part 1

Format	Color
Hex	560E0E
RGB	86, 14, 14
RGB Percent	34%, 5%, 5%
CMY	0.6638, 0.9463, 0.9462
CMYK	0.00, 0.84, 0.84, 0.66
HSL	360°, 72%, 19%
HSV	360°, 84%, 34%
XYZ	4.0427, 2.3023, 0.6368
YIQ	35.5280, 42.9120, 15.2640

Conversions

Conversions Part 2

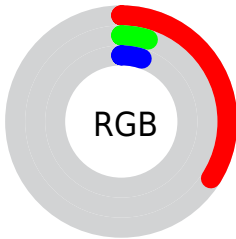
Format	Color
R_YB	86, 14, 14
Decimal	5639694
CIE Lab	17.00, 32.29, 20.20
CIE LCh	17, 38.092, 32.029
Yxy	2.3023, 0.5790, 0.3298
Android (android.graphics.Color)	4283829774 (0xFF560E0E)
YUV	35.5280, -10.6133, 44.2639
Hunter-Lab	15.1734, 21.0052, 8.1331

Details

The CIELCh color **17, 38.092, 32.029** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 21.305, 196.536**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 37.803, 31.886**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.396, 33.000**, and if you desaturate by 10%, it is **18, 33.645, 29.767**.

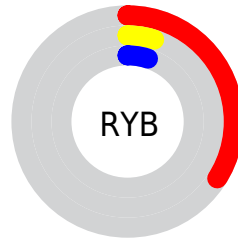
Distribution



Red (34%)

Green (5%)

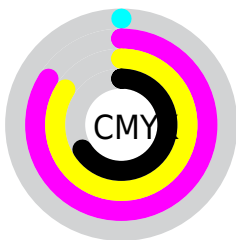
Blue (5%)



Red (34%)

Yellow (5%)

Blue (5%)

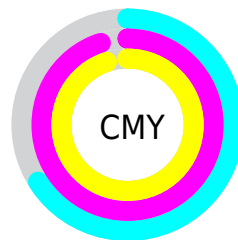


Cyan (0%)

Magenta (84%)

Yellow (84%)

Black (66%)



Cyan (66%)

Magenta (95%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 38.092, 32.029 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 17, 38.092, 32.029 by changing the saturation by 10% instead.

 17, 38.092, 32.029

 17, 38.092, 32.029

 100, 38.092,
32.029


 7, 38.092, 32.029

 37, 38.092, 32.029

 0, 38.092, 32.029

 47, 38.092, 32.029

 57, 38.092, 32.029

 67, 38.092, 32.029

 77, 38.092, 32.029

 87, 38.092, 32.029

 97, 38.092, 32.029

■ 17, 38.092, 32.029

■ 17, 38.092, 32.029

■ 16, 41.396, 33.000

■ 18, 33.645, 29.767

■ 15, 43.358, 33.339

■ 20, 28.647, 27.139

■ 22, 23.627, 25.020

■ 25, 18.715, 23.349

■ 27, 14.005, 22.040

■ 30, 9.550, 21.012

■ 33, 5.377, 20.189

■ 35, 1.485, 19.411

■ 38, 2.136, 199.249

Harmonies

Complementary

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



17, 38.092, 32.029



33, 21.305, 196.536

Rectangle

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



17, 38.092, 32.029



17, 38.092, 82.029



17, 38.092, 212.029



17, 38.092, 262.029

Sweetspot

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



17, 38.091, 32.032



39, 12.497, 21.184



20, 47.933, 327.389



18, 8.495, 21.386



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



17, 38.091, 32.032



22, 54.828, 37.102



24, 31.358, 63.890



16, 2.127, 19.806



21, 52.678, 36.566



49, 98.175, 39.995

Inverse Universe

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



17, 38.091, 32.032



22, 54.828, 37.102



21, 24.795, 272.481



16, 2.127, 19.806



21, 52.678, 36.566



49, 98.175, 39.995

Previews

White Background



This preview shows how the CIE LCh color 17, 38.092, 32.029 looks on a white background.

Color Contrast Check

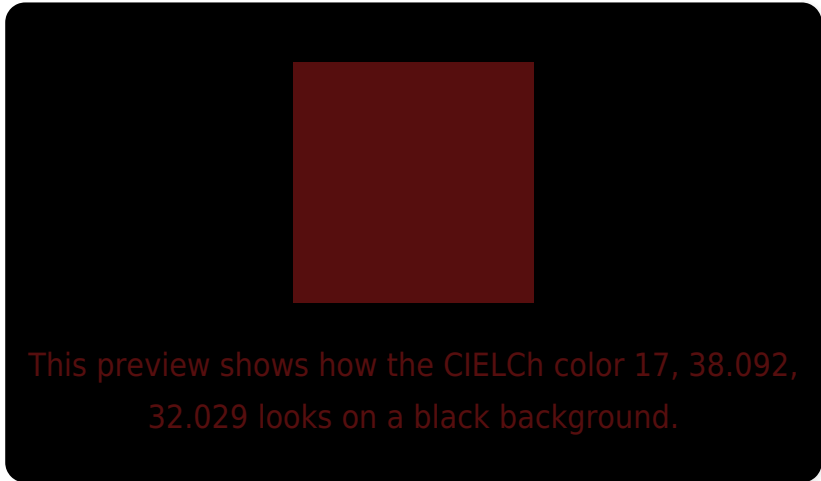
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 38.092, 32.029

Background



This preview shows how black text looks on a background with the CIELCh color 17, 38.092, 32.029.

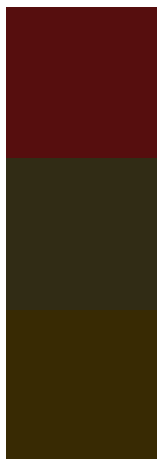


This preview shows how white text looks on a background with the CIELCh color 17, 38.092, 32.029.

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

17, 38.092, 32.029

Protanopia

18, 15.768, 96.148

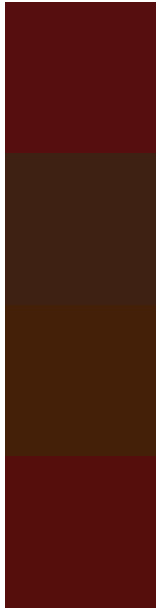
Deuteranopia

18, 24.719, 85.495



Tritanopia
17, 38.313, 32.666

Trichromacy



Original Color
17, 38.092, 32.029

Protanomaly
16, 20.103, 52.403

Deuteranomaly
17, 26.387, 56.117

Tritanomaly
17, 38.313, 32.666

Monochromacy



Original Color
17, 38.092, 32.029

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 14.013, 23.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 38.092, 32.029 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, 14, 14)` looks like.

```
.text, #text, p{  
    color:rgb(86, 14, 14)  
}
```

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, 14, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 14, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 38.092, 32.029 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, 14, 14) }
```

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

```
.border{ border-color:rgb(86, 14, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 14, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 14, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 14, 14);  
box-shadow:4px 4px 4px 4px rgb(86, 14, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 38.092, 32.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 14, 14) }
```

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

```
.background{ background-color: rgb(86, 14,  
14) }
```

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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