

Converting Colors

CIELCh(17, 36.694, 28.876)

Have a look what the booklet for
CIELCh(17, 36.694, 28.876) contains.

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Color

CIELCh(17, 36.694, 28.876)

Conversions

Conversions Part 1

Format	Color
Hex	550E12
RGB	85, 14, 18
RGB Percent	33%, 5%, 7%
CMY	0.6660, 0.9444, 0.9289
CMYK	0.00, 0.83, 0.79, 0.67
HSL	357°, 71%, 19%
HSV	357°, 83%, 33%
XYZ	4.0315, 2.3023, 0.8103
YIQ	35.6850, 41.0320, 16.2960

Conversions

Conversions Part 2

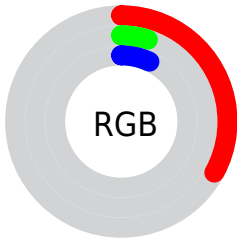
Format	Color
RYB	85, 14, 18
Decimal	5574162
CIELab	17.00, 32.13, 17.72
CIELCh	17, 36.694, 28.876
Yxy	2.3023, 0.5643, 0.3223
Android (android.graphics.Color)	4283764242 (0xFF550E12)
YUV	35.6850, -8.7187, 43.2493
Hunter-Lab	15.1734, 20.8730, 7.4551

Details

The CIELCh color **17, 36.694, 28.876** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **32, 21.896, 189.794**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 36.646, 29.312**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **16, 40.149, 30.664**, and if you desaturate by 10%, it is **18, 32.263, 25.765**.

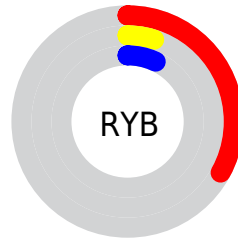
Distribution



Red (33%)

Green (5%)

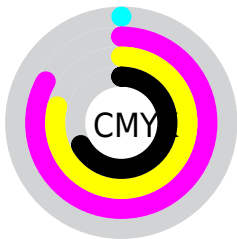
Blue (7%)



Red (33%)

Yellow (5%)

Blue (7%)

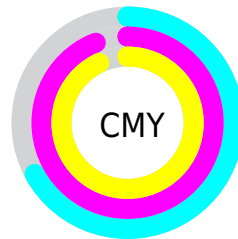


Cyan (0%)

Magenta (83%)

Yellow (79%)

Black (67%)



Cyan (67%)

Magenta (94%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 36.694, 28.876 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, 36.694, 28.876 by changing the saturation by 10% instead.

 17, 36.694, 28.876

 17, 36.694, 28.876

 100, 36.694,
28.876

 7, 36.694, 28.876

 37, 36.694, 28.876

 0, 36.694, 28.876

 47, 36.694, 28.876

 57, 36.694, 28.876

 67, 36.694, 28.876

 77, 36.694, 28.876

 87, 36.694, 28.876

 97, 36.694, 28.876

17, 36.694, 28.876

17, 36.694, 28.876

16, 40.149, 30.664

18, 32.263, 25.765

15, 42.251, 31.008

20, 27.562, 23.040

22, 22.794, 20.850

25, 18.084, 19.108

27, 13.526, 17.719

30, 9.181, 16.600

33, 5.081, 15.677

35, 1.232, 14.761

38, 2.371, 194.513

Harmonies

Complementary

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



17, 36.694, 28.876



32, 21.896, 189.794

Rectangle

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



17, 36.694, 28.876



17, 36.694, 78.876



17, 36.694, 208.876



17, 36.694, 258.876

Sweetspot

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



17, 36.692, 28.878



38, 12.209, 16.856



19, 47.417, 325.709



18, 8.453, 17.087



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, 36.692, 28.878



21, 52.450, 34.630



23, 31.162, 59.549



16, 2.131, 15.294



21, 51.417, 34.354



49, 95.989, 38.319

Inverse Universe

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



17, 36.692, 28.878



21, 52.450, 34.630



22, 22.591, 266.108



16, 2.131, 15.294



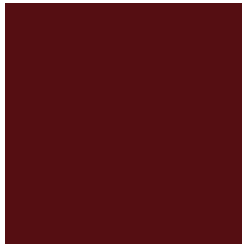
21, 51.417, 34.354



49, 95.989, 38.319

Previews

White Background



This preview shows how the CIELCh color 17, 36.694, 28.876 looks on a white background.

Color Contrast Check

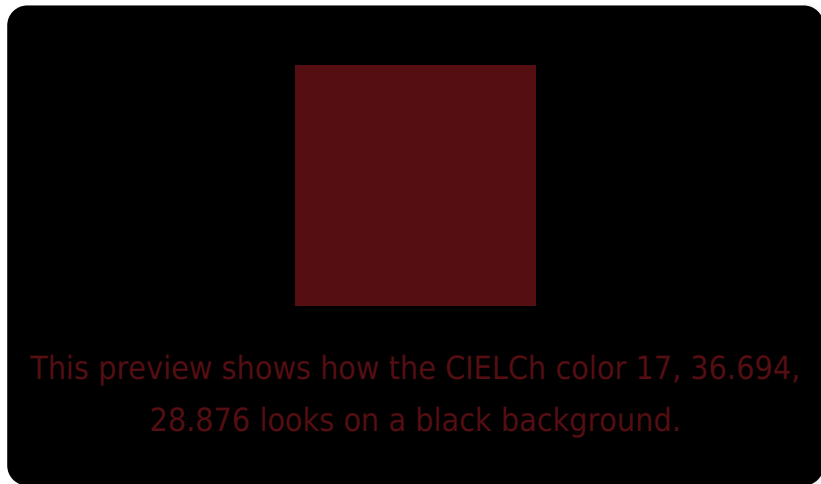
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.694, 28.876

Background



This preview shows how black text looks on a background with the CIELCh color 17, 36.694, 28.876.



This preview shows how white text looks on a background with the CIELCh color 17, 36.694, 28.876.

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, 36.694, 28.876

Protanopia

18, 11.904, 94.221

Deuteranopia

18, 20.749, 82.750



Tritanopia
17, 37.397, 32.397

Trichromacy



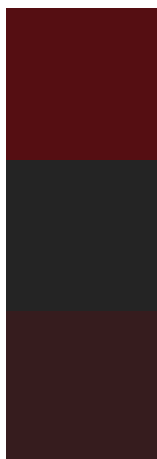
Original Color
17, 36.694, 28.876

Protanomaly
16, 17.624, 43.212

Deuteranomaly
17, 23.894, 50.584

Tritanomaly
17, 36.934, 30.977

Monochromacy



Original Color
17, 36.694, 28.876

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 13.735, 17.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 36.694, 28.876 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, 14, 18)` looks like.

```
.text, #text, p{  
    color:rgb(85, 14, 18)  
}
```

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, 14, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 14, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 36.694, 28.876 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, 14, 18) }
```

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

```
.border{ border-color:rgb(85, 14, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 14, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 14, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 14, 18);  
box-shadow:4px 4px 4px 4px rgb(85, 14, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 36.694, 28.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 14, 18) }
```

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

```
.background{ background-color: rgb(85, 14,  
18) }
```

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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