

Converting Colors

CIELCh(15, 37.845, 32.283)

Have a look what the booklet for
CIELCh(15, 37.845, 32.283) contains.

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Color

CIELCh(15, 37.845, 32.283)

Conversions

Conversions Part 1

Format	Color
Hex	500807
RGB	80, 8, 7
RGB Percent	31%, 3%, 3%
CMY	0.6855, 0.9677, 0.9715
CMYK	0.00, 0.90, 0.91, 0.69
HSL	1°, 83%, 17%
HSV	1°, 91%, 31%
XYZ	3.4541, 1.9086, 0.3949
YIQ	29.4140, 43.2330, 14.9530

Conversions

Conversions Part 2

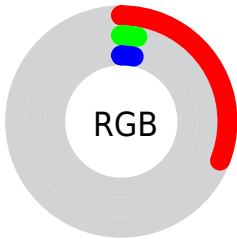
Format	Color
RYB	80, 8, 7
Decimal	5244935
CIELab	15.00, 31.99, 20.21
CIELCh	15, 37.845, 32.283
Yxy	1.9086, 0.5999, 0.3315
Android (android.graphics.Color)	4283435015 (0xFF500807)
YUV	29.4140, -11.0501, 44.3639
Hunter-Lab	13.8151, 20.4523, 7.9757

Details

The CIELCh color **15, 37.845, 32.283** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **30, 20.536, 198.277**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 37.807, 32.242**, and **2, 7.329, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 40.645, 32.655**, and if you desaturate by 10%, it is **16, 34.535, 31.485**.

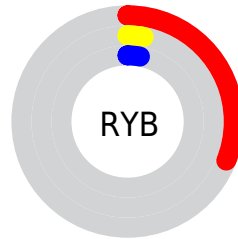
Distribution



Red (31%)

Green (3%)

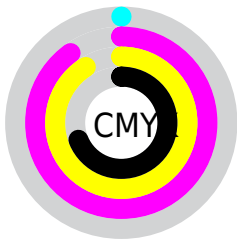
Blue (3%)



Red (31%)

Yellow (3%)

Blue (3%)

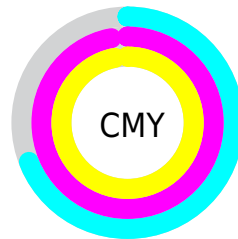


Cyan (0%)

Magenta (90%)

Yellow (91%)

Black (69%)



Cyan (69%)

Magenta (97%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 37.845, 32.283 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 15, 37.845, 32.283 by changing the saturation by 10% instead.

 15, 37.845, 32.283

 15, 37.845, 32.283

 100, 37.845,
32.283

 5, 37.845, 32.283

 35, 37.845, 32.283

 0, 37.845, 32.283

 45, 37.845, 32.283

 55, 37.845, 32.283

 65, 37.845, 32.283

 75, 37.845, 32.283

 85, 37.845, 32.283

 95, 37.845, 32.283

■ 15, 37.845, 32.283

■ 15, 37.845, 32.283

■ 14, 40.645, 32.655

■ 16, 34.535, 31.485

■ 18, 30.121, 29.379

■ 19, 25.366, 27.079

■ 21, 20.660, 25.240

■ 24, 16.106, 23.794

■ 26, 11.771, 22.661

■ 29, 7.691, 21.770

■ 31, 3.876, 21.044

■ 34, 0.322, 19.686

Harmonies

Complementary

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



15, 37.845, 32.283



30, 20.536, 198.277

Rectangle

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



15, 37.845, 32.283



15, 37.845, 82.283



15, 37.845, 212.283



15, 37.845, 262.283

Sweetspot

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



15, 37.844, 32.286



36, 12.657, 22.374



18, 47.458, 328.063



17, 8.653, 22.548



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



15, 37.844, 32.286



20, 51.396, 36.630



22, 31.614, 64.091



15, 1.992, 20.895



49, 97.209, 40.105

Inverse Universe

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



30, 20.536, 198.277



39, 25.560, 198.356



18, 26.044, 276.622



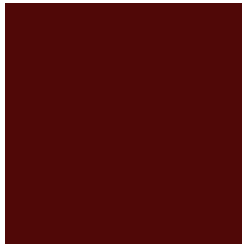
16, 1.895, 200.224



83, 45.781, 198.496

Previews

White Background



This preview shows how the CIELCh color 15, 37.845, 32.283 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 15, 37.845, 32.283

Background



This preview shows how black text looks on a background with the CIELCh color 15, 37.845, 32.283.

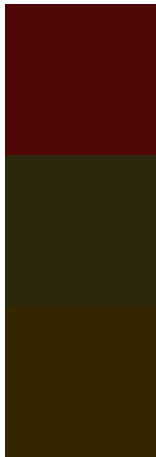


This preview shows how white text looks on a background with the CIELCh color 15, 37.845, 32.283.

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

15, 37.845, 32.283

Protanopia

16, 18.053, 96.536

Deuteranopia

16, 23.935, 86.348



Tritanopia
15, 38.025, 32.812

Trichromacy



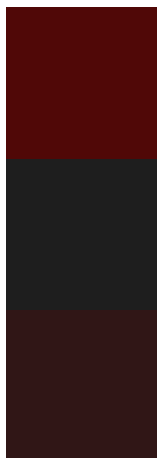
Original Color
15, 37.845, 32.283

Protanomaly
14, 20.747, 53.207

Deuteranomaly
15, 25.442, 55.108

Tritanomaly
15, 38.025, 32.812

Monochromacy



Original Color
15, 37.845, 32.283

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 14.379, 24.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 37.845, 32.283 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(80, 8, 7)` looks like.

```
.text, #text, p{  
    color:rgb(80, 8, 7)  
}
```


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(80, 8, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 8, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 37.845, 32.283 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(80, 8, 7) }
```

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

```
.border{ border-color:rgb(80, 8, 7) }
```

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

Here you see how a box with a 4 pixel rgb(80, 8, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 8, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 8, 7); box-shadow:4px  
4px 4px 4px rgb(80, 8, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 37.845, 32.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 8, 7) }
```

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

```
.background{ background-color: rgb(80, 8,  
7) }
```

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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