

Converting Colors

CIELCh(30, 35.898, 37.456)

Have a look what the booklet for
CIELCh(30, 35.898, 37.456) contains.

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Color

CIELCh(30, 35.898, 37.456)

Conversions

Conversions Part 1

Format	Color
Hex	753226
RGB	117, 50, 38
RGB Percent	46%, 20%, 15%
CMY	0.5403, 0.8032, 0.8503
CMYK	0.00, 0.57, 0.67, 0.54
HSL	9°, 51%, 30%
HSV	9°, 67%, 46%
XYZ	8.8675, 6.2359, 2.5846
YIQ	68.6650, 43.7840, 10.4720

Conversions

Conversions Part 2

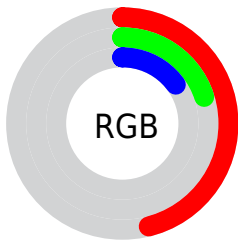
Format	Color
R_{YB}	117, 52, 38
Decimal	7680550
CIE Lab	30.00, 28.50, 21.83
CIE LCh	30, 35.898, 37.456
Yxy	6.2359, 0.5013, 0.3526
Android (android.graphics.Color)	4285870630 (0xFF753226)
YUV	68.6650, -15.1178, 42.3898
Hunter-Lab	24.9718, 19.6845, 11.3437

Details

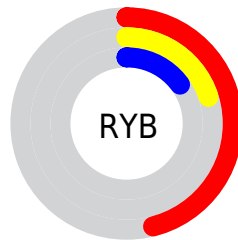
The CIELCh color **30, 35.898, 37.456** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **41, 21.235, 217.573**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 35.788, 38.057**, and **10, 32.848, 28.792** is the 20% darker color. If you saturate the color by 10%, you get **28, 42.327, 38.858**, and if you desaturate by 10%, it is **32, 29.591, 36.313**.

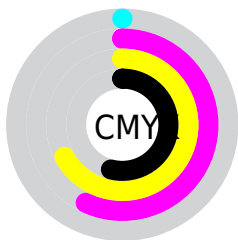
Distribution



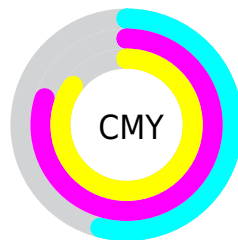
- Red (46%)
- Green (20%)
- Blue (15%)



- Red (46%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (67%)
- Black (54%)



- Cyan (54%)
- Magenta (80%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 35.898, 37.456 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 30, 35.898, 37.456 by changing the saturation by 10% instead.

■ 30, 35.898, 37.456

■ 30, 35.898, 37.456

■ 100, 35.898,
37.456

■ 20, 35.898, 37.456

■ 50, 35.898, 37.456

■ 10, 35.898, 37.456

■ 60, 35.898, 37.456

■ 0, 35.898, 37.456

■ 70, 35.898, 37.456

■ 80, 35.898, 37.456

■ 90, 35.898, 37.456

■ 30, 35.898, 37.456

■ 30, 35.898, 37.456

■ 28, 42.327, 38.858

■ 32, 29.591, 36.313

26, 48.563, 40.351

35, 23.564, 35.444

25, 53.549, 41.071

38, 17.891, 34.824

24, 54.699, 41.325

41, 12.601, 34.410

44, 7.695, 34.153

47, 3.154, 33.975

50, 1.048, 214.441

53, 4.942, 214.227

57, 8.562, 214.318

Harmonies

Complementary

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



30, 35.898, 37.456



41, 21.235, 217.573

Rectangle

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



30, 35.898, 37.456



30, 35.898, 87.456



30, 35.898, 217.456



30, 35.898, 267.456

Sweetspot

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



30, 35.897, 37.459



55, 11.114, 34.218



30, 48.092, 332.854



27, 7.604, 34.272



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



30, 35.897, 37.459



36, 55.664, 39.709



40, 33.724, 80.980



23, 2.404, 34.006



26, 56.805, 41.563



54, 100.049, 41.852

Inverse Universe

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



41, 21.235, 217.573



51, 28.351, 220.103



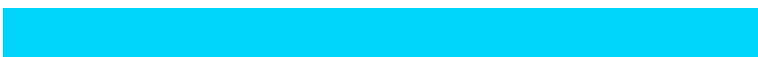
28, 33.517, 283.179



24, 2.276, 214.223



40, 25.334, 223.970



78, 42.895, 225.726

Previews

White Background



This preview shows how the CIELCh color 30, 35.898, 37.456 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



This preview shows how the CIE LCh color 30, 35.898, 37.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

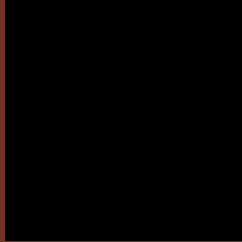
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 35.898, 37.456

Background



This preview shows how black text looks on a background with the CIELCh color 30, 35.898, 37.456.

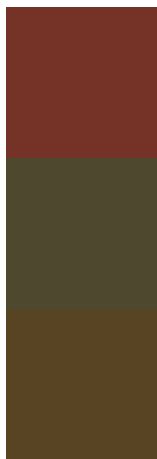


This preview shows how white text looks on a background with the CIELCh color 30, 35.898, 37.456.

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

30, 35.898, 37.456

Protanopia

31, 16.642, 96.829

Deuteranopia

30, 23.415, 79.937



Tritanopia
30, 33.678, 22.555

Trichromacy



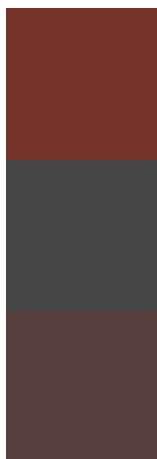
Original Color
30, 35.898, 37.456

Protanomaly
30, 19.973, 62.026

Deuteranomaly
30, 26.105, 59.455

Tritanomaly
30, 34.255, 28.406

Monochromacy



Original Color
30, 35.898, 37.456

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 12.326, 33.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 35.898, 37.456 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(117, 50, 38)` looks like.

```
.text, #text, p{  
    color:rgb(117, 50, 38)  
}
```

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(117, 50, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 50, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 35.898, 37.456 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(117, 50, 38) }
```

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

```
.border{ border-color:rgb(117, 50, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 50, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 50, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 50, 38);  
box-shadow:4px 4px 4px 4px rgb(117, 50,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 35.898, 37.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 50, 38) }
```

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

```
.background{ background-color: rgb(117, 50,  
38) }
```

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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