

Converting Colors

CIELCh(42, 36.900, 77.342)

Have a look what the booklet for
CIELCh(42, 36.900, 77.342) contains.

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Color

CIELCh(42, 36.862, 77.698)

Conversions

Conversions Part 1

Format	Color
Hex	7F5D26
RGB	127, 93, 38
RGB Percent	50%, 36%, 15%
CMY	0.5016, 0.6350, 0.8507
CMYK	0.00, 0.27, 0.70, 0.50
HSL	37°, 54%, 32%
HSV	37°, 70%, 50%
XYZ	13.0362, 12.5000, 3.5653
YIQ	96.8960, 37.9190, -9.8970

Conversions

Conversions Part 2

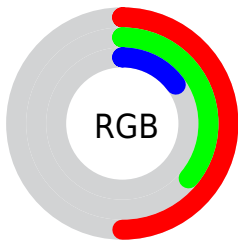
Format	Color
R_{YB}	93, 127, 38
Decimal	8346918
CIE Lab	42.00, 7.85, 36.02
CIE LCh	42, 36.862, 77.698
Yxy	12.5000, 0.4480, 0.4295
Android (android.graphics.Color)	4286536998 (0xFF7F5D26)
YUV	96.8960, -29.0357, 26.4012
Hunter-Lab	35.3553, 3.9444, 18.7699

Details

The CIELCh color $42, 36.862, 77.698$ is a dark color, and the websafe version is hex 996633 . A complement of this color would be $31, 35.519, 281.697$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 36.803, 77.209$, and $22, 32.421, 74.395$ is the 20% darker color. If you saturate the color by 10%, you get $41, 41.756, 76.071$, and if you desaturate by 10%, it is $43, 31.555, 79.186$.

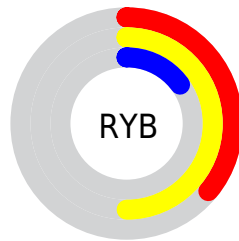
Distribution



Red (50%)

Green (36%)

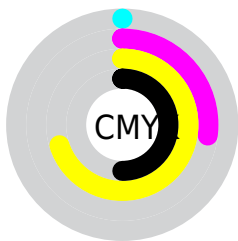
Blue (15%)



Red (36%)

Yellow (50%)

Blue (15%)

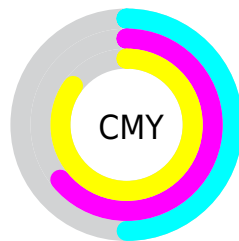


Cyan (0%)

Magenta (27%)

Yellow (70%)

Black (50%)



Cyan (50%)

Magenta (64%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 36.862, 77.698 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 42, 36.862, 77.698 by changing the saturation by 10% instead.

■ 42, 36.862, 77.698

■ 42, 36.862, 77.698

■ 100, 36.862,
77.698

■ 32, 36.862, 77.698

■ 62, 36.862, 77.698

■ 22, 36.862, 77.698

■ 72, 36.862, 77.698

■ 12, 36.862, 77.698

■ 82, 36.862, 77.698

■ 2, 36.862, 77.698

■ 92, 36.862, 77.698

■ 0, 36.862, 77.698

■ 42, 36.862, 77.698

■ 42, 36.862, 77.698

■ 41, 41.756, 76.071

■ 43, 31.555, 79.186

■ 39, 45.799, 74.164

■ 45, 26.107, 80.591

38, 49.258, 72.172

47, 20.668, 81.948

48, 15.315, 83.266

50, 10.082, 84.546

52, 4.982, 85.777

53, 0.015, 73.572

55, 4.826, 268.235

57, 9.547, 269.336

Harmonies

Complementary

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



42, 36.862, 77.698



31, 35.519, 281.697

Rectangle

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



42, 36.862, 77.698



42, 36.862, 127.698



42, 36.862, 257.698



42, 36.862, 307.698

Sweetspot

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



42, 36.862, 77.701



64, 13.152, 84.363



30, 41.160, 0.599



33, 8.999, 84.071



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



42, 36.862, 77.701



52, 53.771, 74.981



51, 47.769, 109.928



26, 2.800, 85.888



38, 49.376, 72.160



0, 0.000, 0.000

Inverse Universe

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



31, 35.519, 281.697



35, 53.602, 287.292



22, 58.334, 303.241



25, 2.786, 268.230



23, 52.180, 292.345



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 36.862, 77.698 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 36.862, 77.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

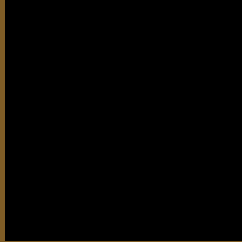
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 36.862, 77.698

Background



This preview shows how black text looks on a background with the CIELCh color 42, 36.862, 77.698.



This preview shows how white text looks on a background with the CIELCh color 42, 36.862, 77.698.

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

42, 36.862, 77.698

Protanopia

42, 34.985, 96.084

Deuteranopia

42, 36.302, 80.733



Tritanopia
42, 19.561, 10.045

Trichromacy



Original Color
42, 36.862, 77.698

Protanomaly
42, 35.189, 88.663

Deuteranomaly
42, 36.538, 80.042

Tritanomaly
42, 21.492, 46.046

Monochromacy



Original Color
42, 36.862, 77.698

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 13.273, 84.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 36.862, 77.698 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(127, 93, 38)` looks like.

```
.text, #text, p{  
    color:rgb(127, 93, 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(127, 93, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 93, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 36.862, 77.698 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(127, 93, 38) }
```

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

```
.border{ border-color:rgb(127, 93, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 93, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 93, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 93, 38);  
box-shadow:4px 4px 4px 4px rgb(127, 93,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 36.862, 77.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 93, 38) }
```

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

```
.background{ background-color: rgb(127, 93,  
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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