

Converting Colors

CIELCh(36, 43.426, 73.533)

Have a look what the booklet for
CIELCh(36, 43.426, 73.533) contains.

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Color

CIELCh(36, 43.652, 73.377)

Conversions

Conversions Part 1

Format	Color
Hex	764C0A
RGB	118, 76, 10
RGB Percent	46%, 30%, 4%
CMY	0.5380, 0.7025, 0.9616
CMYK	0.00, 0.36, 0.92, 0.54
HSL	37°, 85%, 25%
HSV	37°, 92%, 46%
XYZ	10.0743, 9.0082, 1.4890
YIQ	81.0340, 46.2180, -11.6220

Conversions

Conversions Part 2

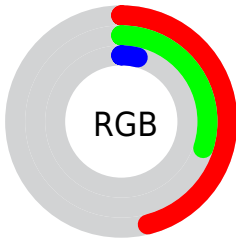
Format	Color
RYB	79, 118, 10
Decimal	7752714
CIELab	36.00, 12.49, 41.83
CIELCh	36, 43.652, 73.377
Yxy	9.0082, 0.4897, 0.4379
Android (android.graphics.Color)	4285942794 (0xFF764C0A)
YUV	81.0340, -35.0198, 32.4192
Hunter-Lab	30.0136, 7.3910, 18.0680

Details

The CIELCh color **36, 43.652, 73.377** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **23, 43.957, 288.675**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 43.378, 73.530**, and **16, 27.125, 61.843** is the 20% darker color. If you saturate the color by 10%, you get **35, 46.665, 71.857**, and if you desaturate by 10%, it is **37, 39.920, 75.316**.

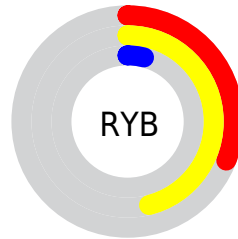
Distribution



Red (46%)

Green (30%)

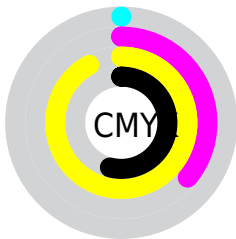
Blue (4%)



Red (31%)

Yellow (46%)

Blue (4%)

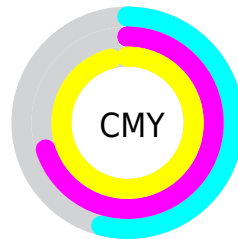


Cyan (0%)

Magenta (36%)

Yellow (92%)

Black (54%)



Cyan (54%)

Magenta (70%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 43.652, 73.377 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 36, 43.652, 73.377 by changing the saturation by 10% instead.

36, 43.652, 73.377

36, 43.652, 73.377

100, 43.652,
73.377

26, 43.652, 73.377

56, 43.652, 73.377

16, 43.652, 73.377

66, 43.652, 73.377

6, 43.652, 73.377

76, 43.652, 73.377

0, 43.652, 73.377

86, 43.652, 73.377

96, 43.652, 73.377

36, 43.652, 73.377

36, 43.652, 73.377

35, 46.665, 71.857

37, 39.920, 75.316

■ 39, 35.358, 76.957

■ 40, 30.387, 78.441

■ 41, 25.272, 79.842

■ 43, 20.162, 81.193

■ 45, 15.132, 82.505

■ 46, 10.216, 83.782

■ 48, 5.428, 85.013

■ 49, 0.767, 86.008

Harmonies

Complementary

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



36, 43.652, 73.377



23, 43.957, 288.675

Rectangle

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



36, 43.652, 73.377



36, 43.652, 123.377



36, 43.652, 253.377



36, 43.652, 303.377

Sweetspot

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



36, 43.651, 73.380



58, 16.497, 82.890



25, 45.874, 6.178



29, 11.374, 82.445



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



36, 43.651, 73.380



45, 56.431, 70.981



47, 53.061, 108.698



24, 2.595, 85.327



36, 47.963, 71.717



72, 81.498, 69.782

Inverse Universe

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



23, 43.957, 288.675



28, 59.966, 292.602



14, 70.277, 305.792



23, 2.581, 267.639



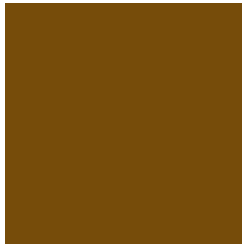
22, 49.880, 291.722



46, 89.599, 293.965

Previews

White Background



This preview shows how the CIELCh color 36, 43.652, 73.377 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 36, 43.652, 73.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

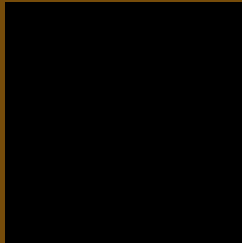
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 43.652, 73.377

Background



This preview shows how black text looks on a background with the CIELCh color 36, 43.652, 73.377.



This preview shows how white text looks on a background with the CIELCh color 36, 43.652, 73.377.

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

36, 43.652, 73.377

Protanopia

36, 39.946, 95.370

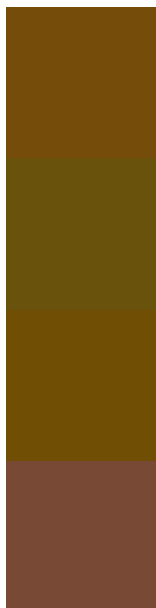
Deuteranopia

36, 44.716, 84.498



Tritanopia
36, 22.905, 15.720

Trichromacy



Original Color
36, 43.652, 73.377

Protanomaly
36, 40.478, 87.129

Deuteranomaly
36, 44.033, 80.069

Tritanomaly
36, 27.373, 49.804

Monochromacy



Original Color
36, 43.652, 73.377

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 16.681, 81.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 43.652, 73.377 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(118, 76, 10)` looks like.

```
.text, #text, p{  
    color:rgb(118, 76, 10)  
}
```

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(118, 76, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 76, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 43.652, 73.377 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(118, 76, 10) }
```

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

```
.border{ border-color:rgb(118, 76, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 76, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 76, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 76, 10);  
box-shadow:4px 4px 4px 4px rgb(118, 76,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 43.652, 73.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 76, 10) }
```

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

```
.background{ background-color: rgb(118, 76,  
10) }
```

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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