

Converting Colors

CIELCh(37, 46.491, 78.479)

Have a look what the booklet for
CIELCh(37, 46.491, 78.479) contains.

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Color

CIELCh(37, 46.561, 78.423)

Conversions

Conversions Part 1

Format	Color
Hex	755000
RGB	117, 80, 0
RGB Percent	46%, 31%, 0%
CMY	0.5408, 0.6859, 0.9996
CMYK	0.00, 0.32, 1.00, 0.54
HSL	41°, 100%, 23%
HSV	41°, 100%, 46%
XYZ	10.2240, 9.5379, 1.3046
YIQ	81.9430, 47.7320, -17.0360

Conversions

Conversions Part 2

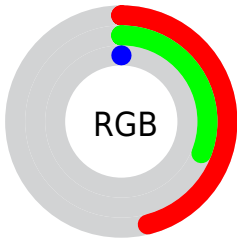
Format	Color
R_{YB}	54, 117, 0
Decimal	7688192
CIE Lab	37.00, 9.34, 45.61
CIE LCh	37, 46.561, 78.423
Yxy	9.5379, 0.4853, 0.4528
Android (android.graphics.Color)	4285878272 (0xFF755000)
YUV	81.9430, -40.3979, 30.7450
Hunter-Lab	30.8835, 5.0465, 19.1139

Details

The CIELCh color **37, 46.561, 78.423** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **18, 54.144, 296.025**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 46.359, 78.509**, and **17, 26.848, 68.992** is the 20% darker color. If you saturate the color by 10%, you get **37, 46.587, 78.414**, and if you desaturate by 10%, it is **38, 43.485, 80.193**.

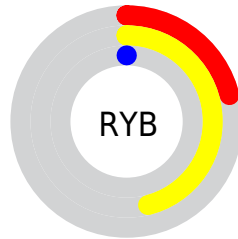
Distribution



Red (46%)

Green (31%)

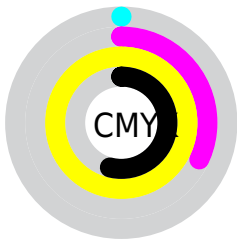
Blue (0%)



Red (21%)

Yellow (46%)

Blue (0%)

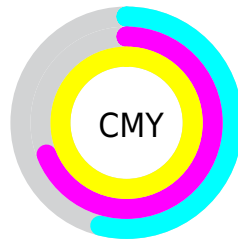


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 46.561, 78.423 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 37, 46.561, 78.423 by changing the saturation by 10% instead.

37, 46.561, 78.423

37, 46.561, 78.423

100, 46.561,
78.423

27, 46.561, 78.423

57, 46.561, 78.423

17, 46.561, 78.423

67, 46.561, 78.423

7, 46.561, 78.423

77, 46.561, 78.423

0, 46.561, 78.423

87, 46.561, 78.423

97, 46.561, 78.423

37, 46.561, 78.423

37, 46.561, 78.423

37, 46.587, 78.414

38, 43.485, 80.193

■ 39, 39.925, 81.922

■ 40, 35.492, 83.454

■ 41, 30.578, 84.877

■ 43, 25.444, 86.237

■ 44, 20.244, 87.553

■ 45, 15.061, 88.834

■ 47, 9.941, 90.076

■ 48, 4.903, 91.270

Harmonies

Complementary

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



37, 46.561, 78.423



18, 54.144, 296.025

Rectangle

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



37, 46.561, 78.423



37, 46.561, 128.423



37, 46.561, 258.423



37, 46.561, 308.423

Sweetspot

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



37, 46.560, 78.426



58, 18.811, 88.726



23, 48.429, 17.064



29, 12.790, 88.308



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



37, 46.560, 78.426



48, 56.479, 77.678



46, 55.643, 113.379



24, 2.782, 91.372



39, 48.079, 78.281



76, 81.349, 76.690

Inverse Universe

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



18, 54.144, 296.025



25, 67.561, 296.994



12, 73.977, 307.384



23, 2.788, 273.601



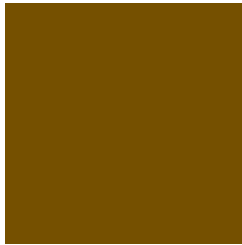
19, 56.214, 296.222



42, 100.850, 298.179

Previews

White Background



This preview shows how the CIELCh color 37, 46.561, 78.423 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 37, 46.561, 78.423 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 37, 46.561, 78.423

Background



This preview shows how black text looks on a background with the CIELCh color 37, 46.561, 78.423.



This preview shows how white text looks on a background with the CIELCh color 37, 46.561, 78.423.

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

37, 46.561, 78.423

Protanopia

37, 42.600, 95.632

Deuteranopia

37, 45.548, 84.237



Tritanopia
37, 21.391, 13.206

Trichromacy



Original Color
37, 46.561, 78.423

Protanomaly
37, 43.500, 88.662

Deuteranomaly
37, 45.824, 82.263

Tritanomaly
37, 27.449, 54.914

Monochromacy



Original Color
37, 46.561, 78.423

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 19.232, 86.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 46.561, 78.423 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, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 80, 0)  
}
```

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, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 80, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 46.561, 78.423 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, 80, 0) }
```

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

```
.border{ border-color:rgb(117, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 46.561, 78.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 80, 0) }
```

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

```
.background{ background-color: rgb(117, 80,  
0) }
```

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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