

Converting Colors

CIELCh(36, 40.642, 84.751)

Have a look what the booklet for
CIELCh(36, 40.642, 84.751) contains.

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Color

CIELCh(36, 40.636, 84.876)

Conversions

Conversions Part 1

Format	Color
Hex	6A510C
RGB	106, 81, 12
RGB Percent	42%, 32%, 5%
CMY	0.5837, 0.6818, 0.9522
CMYK	0.00, 0.24, 0.89, 0.58
HSL	44°, 79%, 23%
HSV	44°, 89%, 42%
XYZ	8.9847, 9.0082, 1.6191
YIQ	80.6090, 37.0490, -16.1590

Conversions

Conversions Part 2

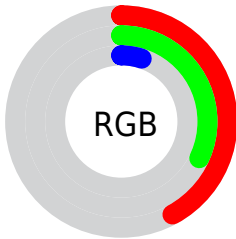
Format	Color
RYB	46, 106, 12
Decimal	6967564
CIELab	36.00, 3.63, 40.47
CIELCh	36, 40.636, 84.876
Yxy	9.0082, 0.4581, 0.4593
Android (android.graphics.Color)	4285157644 (0xFF6A510C)
YUV	80.6090, -33.8242, 22.2679
Hunter-Lab	30.0136, 0.9108, 17.8111

Details

The CIELCh color **36, 40.636, 84.876** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18, 47.110, 294.932**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 40.763, 84.660**, and **16, 23.825, 80.296** is the 20% darker color. If you saturate the color by 10%, you get **35, 43.479, 83.344**, and if you desaturate by 10%, it is **37, 37.274, 86.382**.

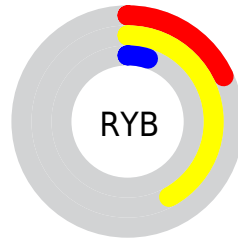
Distribution



Red (42%)

Green (32%)

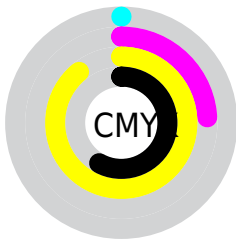
Blue (5%)



Red (18%)

Yellow (42%)

Blue (5%)

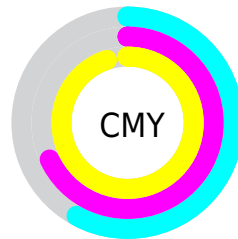


Cyan (0%)

Magenta (24%)

Yellow (89%)

Black (58%)



Cyan (58%)

Magenta (68%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 40.636, 84.876 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, 40.636, 84.876 by changing the saturation by 10% instead.

36, 40.636, 84.876

36, 40.636, 84.876

100, 40.636,
84.876

26, 40.636, 84.876

56, 40.636, 84.876

16, 40.636, 84.876

66, 40.636, 84.876

6, 40.636, 84.876

76, 40.636, 84.876

0, 40.636, 84.876

86, 40.636, 84.876

96, 40.636, 84.876

36, 40.636, 84.876

36, 40.636, 84.876

35, 43.479, 83.344

37, 37.274, 86.382

■ 35, 43.963, 83.141

■ 38, 33.129, 87.766

■ 39, 28.531, 89.084

■ 40, 23.703, 90.362

■ 41, 18.781, 91.609

■ 42, 13.845, 92.826

■ 43, 8.937, 94.009

■ 44, 4.081, 95.146

■ 45, 0.713, 276.464

Harmonies

Complementary

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



36, 40.636, 84.876



18, 47.110, 294.932

Rectangle

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



36, 40.636, 84.876



36, 40.636, 134.876



36, 40.636, 264.876



36, 40.636, 314.876

Sweetspot

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



36, 40.636, 84.879



54, 16.221, 92.919



22, 42.223, 15.971



27, 10.862, 92.636



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



36, 40.636, 84.879



45, 52.862, 82.505



42, 49.286, 115.525



22, 2.713, 95.095



39, 47.152, 82.882



77, 80.803, 81.495

Inverse Universe

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



18, 47.110, 294.932



21, 66.672, 299.146



14, 62.135, 307.101



21, 2.730, 277.206



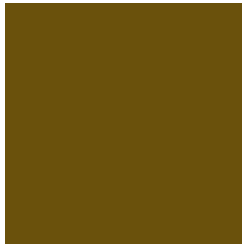
17, 58.440, 298.607



39, 106.488, 300.471

Previews

White Background



This preview shows how the CIELCh color 36, 40.636, 84.876 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, 40.636, 84.876 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, 40.636, 84.876

Background



This preview shows how black text looks on a background with the CIELCh color 36, 40.636, 84.876.



This preview shows how white text looks on a background with the CIELCh color 36, 40.636, 84.876.

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, 40.636, 84.876

Protanopia

36, 39.946, 95.370

Deuteranopia

36, 40.510, 84.109



Tritanopia
36, 15.457, 10.506

Trichromacy



Original Color
36, 40.636, 84.876

Protanomaly
36, 40.063, 91.633

Deuteranomaly
36, 40.510, 84.109

Tritanomaly
36, 20.748, 60.971

Monochromacy



Original Color
36, 40.636, 84.876

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 16.087, 91.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 40.636, 84.876 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(106, 81, 12)` looks like.

```
.text, #text, p{  
    color:rgb(106, 81, 12)  
}
```

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(106, 81, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 81, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 40.636, 84.876 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(106, 81, 12) }
```

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

```
.border{ border-color:rgb(106, 81, 12) }
```

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

Here you see how a box with a 4 pixel rgb(106, 81, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 81, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 81, 12);  
box-shadow:4px 4px 4px 4px rgb(106, 81,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 40.636, 84.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 81, 12) }
```

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

```
.background{ background-color: rgb(106, 81,  
12) }
```

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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