

Converting Colors

CIELCh(36, 75.618, 87.631)

Have a look what the booklet for
CIELCh(36, 75.618, 87.631) contains.

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Color

CIELCh(36, 44.716, 84.498)

Conversions

Conversions Part 1

Format	Color
Hex	6C5100
RGB	108, 81, 0
RGB Percent	42%, 32%, 0%
CMY	0.5778, 0.6835, 1.0000
CMYK	0.00, 0.25, 1.00, 0.58
HSL	45°, 100%, 21%
HSV	45°, 100%, 42%
XYZ	9.0628, 9.0082, 1.2523
YIQ	79.8390, 42.0930, -19.4670

Conversions

Conversions Part 2

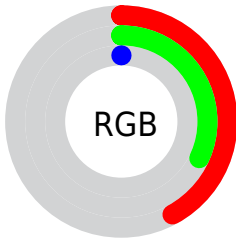
Format	Color
R_{YB}	36, 108, 0
Decimal	7098624
CIE Lab	36.00, 4.29, 44.51
CIE LCh	36, 44.716, 84.498
Yxy	9.0082, 0.4690, 0.4662
Android (android.graphics.Color)	4285288704 (0xFF6C5100)
YUV	79.8390, -39.3606, 24.6972
Hunter-Lab	30.0136, 1.3753, 18.5357

Details

The CIELCh color **36, 44.716, 84.498** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 55.656, 299.010**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 44.875, 84.708**, and **16, 24.445, 77.881** is the 20% darker color. If you saturate the color by 10%, you get **36, 44.614, 84.477**, and if you desaturate by 10%, it is **37, 41.778, 85.933**.

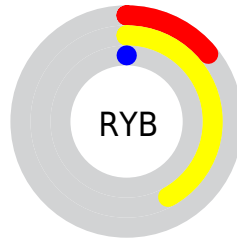
Distribution



Red (42%)

Green (32%)

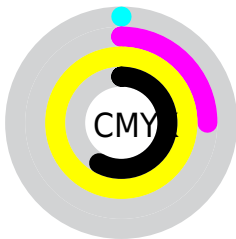
Blue (0%)



Red (14%)

Yellow (42%)

Blue (0%)

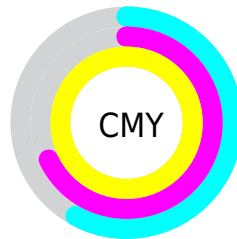


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (58%)



Cyan (58%)

Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 44.716, 84.498 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, 44.716, 84.498 by changing the saturation by 10% instead.

36, 44.716, 84.498

36, 44.716, 84.498

100, 44.716,
84.498

26, 44.716, 84.498

56, 44.716, 84.498

16, 44.716, 84.498

66, 44.716, 84.498

6, 44.716, 84.498

76, 44.716, 84.498

0, 44.716, 84.498

86, 44.716, 84.498

96, 44.716, 84.498

36, 44.716, 84.498

36, 44.716, 84.498

36, 44.614, 84.477

37, 41.778, 85.933

■ 38, 38.584, 87.405

■ 39, 34.513, 88.764

■ 39, 29.912, 90.063

■ 40, 25.028, 91.325

■ 41, 20.016, 92.559

■ 42, 14.966, 93.766

■ 43, 9.929, 94.941

■ 44, 4.934, 96.076

Harmonies

Complementary

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



36, 44.716, 84.498



15, 55.656, 299.010

Rectangle

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



36, 44.716, 84.498



36, 44.716, 134.498



36, 44.716, 264.498



36, 44.716, 314.498

Sweetspot

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



36, 44.614, 84.477



54, 18.598, 93.667



21, 46.441, 20.936



28, 12.802, 93.285



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 44.614, 84.477



47, 53.820, 83.883



42, 53.009, 115.904



22, 2.758, 96.191



39, 47.381, 84.271



78, 81.164, 82.981

Inverse Universe

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



15, 55.656, 299.010



20, 69.148, 299.900



11, 69.178, 307.960



21, 2.778, 278.275



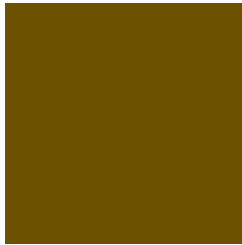
16, 59.727, 299.327



38, 108.692, 301.117

Previews

White Background



This preview shows how the CIELCh color 36, 44.716, 84.498 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, 44.716, 84.498 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, 44.716, 84.498

Background



This preview shows how black text looks on a background with the CIELCh color 36, 44.716, 84.498.



This preview shows how white text looks on a background with the CIELCh color 36, 44.716, 84.498.

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, 44.716, 84.498

Protanopia

36, 42.057, 95.411

Deuteranopia

36, 44.387, 84.421



Tritanopia
36, 16.883, 9.653

Trichromacy



Original Color
36, 44.716, 84.498

Protanomaly
36, 42.548, 91.104

Deuteranomaly
36, 44.387, 84.421

Tritanomaly
36, 22.954, 62.217

Monochromacy



Original Color
36, 44.716, 84.498

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.613, 91.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 44.716, 84.498 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(108, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 81, 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(108, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 81, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 44.716, 84.498 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(108, 81, 0) }
```

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

```
.border{ border-color:rgb(108, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 44.716, 84.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 81, 0) }
```

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

```
.background{ background-color: rgb(108, 81,  
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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