

Converting Colors

CIELCh(30, 84.423, 99.530)

Have a look what the booklet for
CIELCh(30, 84.423, 99.530) contains.

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Color

CIELCh(30, 40.216, 108.039)

Conversions

Conversions Part 1

Format	Color
Hex	444B00
RGB	68, 75, 0
RGB Percent	27%, 29%, 0%
CMY	0.7339, 0.7064, 1.0000
CMYK	0.09, 0.00, 1.00, 0.71
HSL	66°, 100%, 15%
HSV	66°, 100%, 29%
XYZ	4.8789, 6.2359, 0.9428
YIQ	64.3570, 19.9030, -24.8090

Conversions

Conversions Part 2

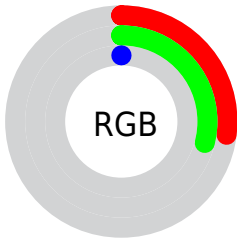
Format	Color
RYB	0, 75, 7
Decimal	4475648
CIELab	30.00, -12.45, 38.24
CIELCh	30, 40.216, 108.039
Yxy	6.2359, 0.4046, 0.5172
Android (android.graphics.Color)	4282665728 (0xFF444B00)
YUV	64.3570, -31.7280, 3.1949
Hunter-Lab	24.9718, -8.8259, 15.2418

Details

The CIELCh color **30, 40.216, 108.039** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 52.580, 305.784**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 40.436, 108.205**, and **10, 18.581, 127.467** is the 20% darker color. If you saturate the color by 10%, you get **30, 40.165, 108.056**, and if you desaturate by 10%, it is **30, 37.319, 108.357**.

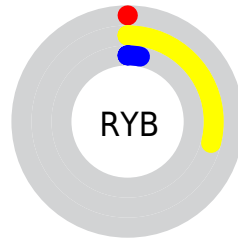
Distribution



Red (27%)

Green (29%)

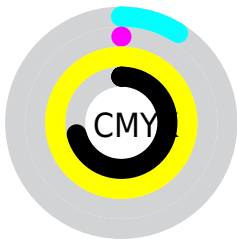
Blue (0%)



Red (0%)

Yellow (29%)

Blue (3%)

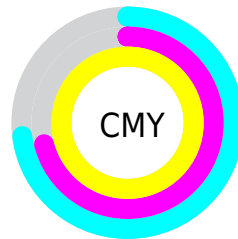


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (71%)



Cyan (73%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 40.216, 108.039 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 30, 40.216, 108.039 by changing the saturation by 10% instead.


 30, 40.216,
108.039


 30, 40.216,
108.039


 100, 40.216,
108.039


 20, 40.216,
108.039


 50, 40.216,
108.039


 10, 40.216,
108.039

 60, 40.216,
108.039

 0, 40.216, 108.039

 70, 40.216,
108.039

 80, 40.216,
108.039

 90, 40.216,
108.039

■ 30, 40.216,
108.039

■ 30, 40.216,
108.039

■ 30, 40.165,
108.056

■ 30, 37.319,
108.357

■ 30, 34.579,
108.606

■ 30, 31.219,
109.019

■ 30, 27.358,
109.567

■ 31, 23.152,
110.208

■ 31, 18.717,
110.907

■ 31, 14.136,
111.638

■ 31, 9.465, 112.382

Harmonies

Complementary

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



30, 40.216, 108.039



5, 52.580, 305.784

Rectangle

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



30, 40.216, 108.039



30, 40.216, 158.039



30, 40.216, 288.039



30, 40.216, 338.039

Sweetspot

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



30, 40.165, 108.056



40, 17.494, 111.555



13, 37.027, 34.214



19, 11.759, 111.406



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



30, 40.165, 108.056



39, 47.973, 108.245



28, 45.348, 129.001



15, 2.695, 113.221



41, 49.732, 108.279



87, 90.069, 108.661

Inverse Universe

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



5, 52.580, 305.784



8, 65.257, 306.875



9, 50.129, 315.035



14, 2.746, 294.532



9, 67.680, 306.842



29, 123.066, 306.538

Previews

White Background



This preview shows how the CIELCh color 30, 40.216, 108.039 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 CIELCh color 30, 40.216, 108.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

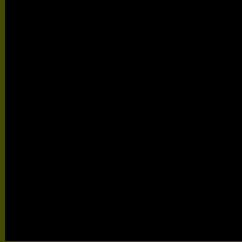
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 40.216, 108.039

Background



This preview shows how black text looks on a background with the CIELCh color 30, 40.216, 108.039.

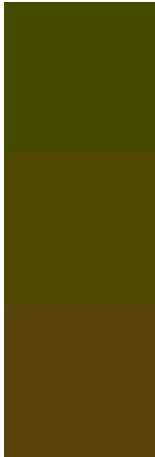


This preview shows how white text looks on a background with the CIELCh color 30, 40.216, 108.039.

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

30, 40.216, 108.039

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 34.557, 83.881



Tritanopia
30, 3.472, 312.710

Trichromacy



Original Color
30, 40.216, 108.039

Protanomaly
30, 38.967, 99.740

Deuteranomaly
30, 35.526, 93.963

Tritanomaly
30, 15.142, 109.137

Monochromacy



Original Color
30, 40.216, 108.039

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 17.184, 111.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 40.216, 108.039 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(68, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 75, 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(68, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 75, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 40.216, 108.039 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(68, 75, 0) }
```

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

```
.border{ border-color:rgb(68, 75, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 75, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 75, 0); box-shadow:4px  
4px 4px 4px rgb(68, 75, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 40.216, 108.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 75, 0) }
```

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

```
.background{ background-color: rgb(68, 75,  
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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