

Converting Colors

CIELCh(30, 54.616, 105.702)

Have a look what the booklet for
CIELCh(30, 54.616, 105.702)
contains.

CIELCh(30, 40.698, 109.411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 40.698, 109.411)

Conversions

Conversions Part 1

Format	Color
Hex	424B00
RGB	66, 75, 0
RGB Percent	26%, 29%, 0%
CMY	0.7402, 0.7048, 1.0000
CMYK	0.12, 0.00, 1.00, 0.70
HSL	67°, 100%, 15%
HSV	67°, 100%, 30%
XYZ	4.7949, 6.2359, 0.9326
YIQ	63.7590, 18.7110, -25.2330

Conversions

Conversions Part 2

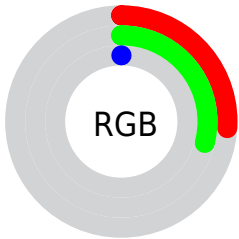
Format	Color
RYB	0, 75, 9
Decimal	4344576
CIELab	30.00, -13.53, 38.38
CIELCh	30, 40.698, 109.411
Yxy	6.2359, 0.4008, 0.5212
Android (android.graphics.Color)	4282534656 (0xFF424B00)
YUV	63.7590, -31.4332, 1.9654
Hunter-Lab	24.9718, -9.4261, 15.2660

Details

The CIELCh color **30, 40.698, 109.411** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 52.851, 306.169**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 40.504, 109.508**, and **10, 18.974, 130.138** is the 20% darker color. If you saturate the color by 10%, you get **30, 40.446, 109.494**, and if you desaturate by 10%, it is **30, 37.583, 109.743**.

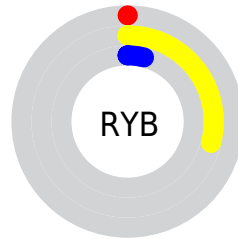
Distribution



Red (26%)

Green (29%)

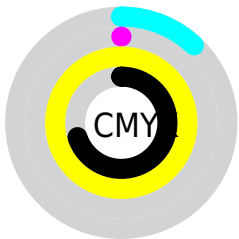
Blue (0%)



Red (0%)

Yellow (29%)

Blue (4%)

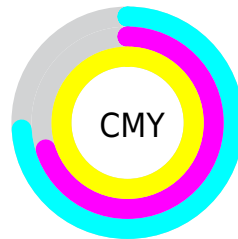


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (70%)



Cyan (74%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 40.698, 109.411 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, 40.698, 109.411 by changing the saturation by 10% instead.


 30, 40.698,
109.411


 30, 40.698,
109.411

 100, 40.698,
109.411


 20, 40.698,
109.411


 50, 40.698,
109.411


 10, 40.698,
109.411

 60, 40.698,
109.411

 0, 40.698, 109.411

 70, 40.698,
109.411

 80, 40.698,
109.411

 90, 40.698,
109.411

■ 30, 40.698,
109.411

■ 30, 40.698,
109.411

■ 30, 40.446,
109.494

■ 30, 37.583,
109.743

■ 30, 34.819,
109.930

■ 30, 31.432,
110.293

■ 31, 27.542,
110.801

■ 31, 23.305,
111.406

■ 31, 18.840,
112.072

■ 31, 14.228,
112.771

■ 31, 9.526, 113.483

Harmonies

Complementary

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



30, 40.698, 109.411



5, 52.851, 306.169

Rectangle

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



30, 40.698, 109.411



30, 40.698, 159.411



30, 40.698, 289.411



30, 40.698, 339.411

Sweetspot

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



30, 40.446, 109.494



40, 17.525, 112.694



14, 36.724, 35.658



19, 11.780, 112.550



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, 40.446, 109.494



39, 48.133, 109.727



28, 45.962, 129.907



15, 2.699, 114.286



41, 49.901, 109.770



86, 90.416, 110.252

Inverse Universe

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



5, 52.851, 306.169



8, 65.087, 307.045



10, 50.018, 315.903



14, 2.750, 295.533



9, 67.509, 307.008



29, 122.840, 306.653

Previews

White Background



This preview shows how the CIELCh color 30, 40.698, 109.411 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, 40.698, 109.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

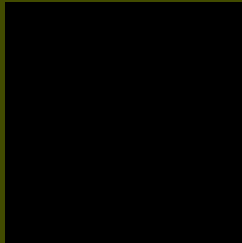
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 40.698, 109.411

Background



This preview shows how black text looks on a background with the CIELCh color 30, 40.698, 109.411.



This preview shows how white text looks on a background with the CIELCh color 30, 40.698, 109.411.

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, 40.341, 109.484

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 34.171, 83.742



Tritanopia
30, 3.331, 305.785

Trichromacy



Original Color
30, 40.341, 109.484

Protanomaly
30, 39.292, 101.315

Deuteranomaly
30, 35.526, 93.963

Tritanomaly
30, 15.168, 110.958

Monochromacy



Original Color
30, 40.341, 109.484

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, 40.698, 109.411 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(66, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 75, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 40.698, 109.411 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(66, 75, 0) }
```

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

```
.border{ border-color:rgb(66, 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(66, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 75, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 75, 0); box-shadow:4px  
4px 4px 4px rgb(66, 75, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 40.698, 109.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 75, 0) }
```

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

```
.background{ background-color: rgb(66, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor