

Converting Colors

CIELCh(30, 39.738, 106.635)

Have a look what the booklet for
CIELCh(30, 39.738, 106.635)
contains.

CIELCh(30, 39.755, 106.618)	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, 39.755, 106.618)

Conversions

Conversions Part 1

Format	Color
Hex	454A00
RGB	69, 74, 0
RGB Percent	27%, 29%, 0%
CMY	0.7277, 0.7082, 0.9985
CMYK	0.07, 0.00, 0.99, 0.71
HSL	64°, 99%, 15%
HSV	64°, 99%, 29%
XYZ	4.9648, 6.2359, 0.9529
YIQ	64.0690, 20.7740, -24.0740

Conversions

Conversions Part 2

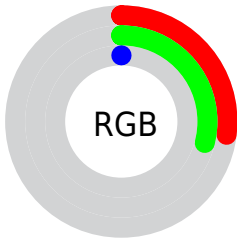
Format	Color
RYB	0, 74, 5
Decimal	4540928
CIELab	30.00, -11.37, 38.09
CIELCh	30, 39.755, 106.618
Yxy	6.2359, 0.4085, 0.5131
Android (android.graphics.Color)	4282731008 (0xFF454A00)
YUV	64.0690, -31.5860, 4.3245
Hunter-Lab	24.9718, -8.2120, 15.2178

Details

The CIELCh color **30, 39.755, 106.618** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 52.071, 305.344**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 39.453, 106.327**, and **10, 18.385, 125.995** is the 20% darker color. If you saturate the color by 10%, you get **30, 39.909, 106.600**, and if you desaturate by 10%, it is **30, 36.941, 106.970**.

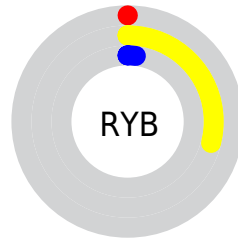
Distribution



Red (27%)

Green (29%)

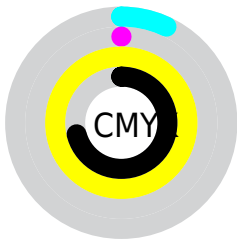
Blue (0%)



Red (0%)

Yellow (29%)

Blue (2%)

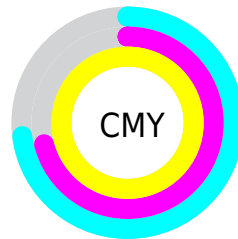


Cyan (7%)

Magenta (0%)

Yellow (99%)

Black (71%)



Cyan (73%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 39.755, 106.618 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, 39.755, 106.618 by changing the saturation by 10% instead.


 30, 39.755,
106.618


 30, 39.755,
106.618

 100, 39.755,
106.618


 20, 39.755,
106.618


 50, 39.755,
106.618


 10, 39.755,
106.618

 60, 39.755,
106.618

 0, 39.755, 106.618

 70, 39.755,
106.618

 80, 39.755,
106.618

 90, 39.755,
106.618

■ 30, 39.755,
106.618

■ 30, 39.755,
106.618

■ 30, 39.909,
106.600

■ 30, 36.941,
106.970

■ 30, 34.199,
107.288

■ 30, 30.833,
107.760

■ 30, 26.977,
108.356

■ 31, 22.784,
109.037

■ 31, 18.368,
109.772

■ 31, 13.810,
110.538

■ 31, 9.166, 111.316

Harmonies

Complementary

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



30, 39.755, 106.618



5, 52.071, 305.344

Rectangle

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



30, 39.755, 106.618



30, 39.755, 156.618



30, 39.755, 286.618



30, 39.755, 336.618

Sweetspot

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



30, 39.755, 106.620



40, 17.469, 110.410



13, 36.942, 33.423



19, 11.742, 110.253



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, 39.755, 106.620



39, 47.848, 106.740



27, 44.764, 128.530



15, 2.691, 112.151



41, 49.602, 106.765



87, 89.800, 107.043

Inverse Universe

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



5, 52.071, 305.344



8, 65.425, 306.708



9, 49.834, 314.599



14, 2.742, 293.528



9, 67.846, 306.685



29, 123.246, 306.447

Previews

White Background



This preview shows how the CIELCh color 30, 39.755, 106.618 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, 39.755, 106.618 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, 39.755, 106.618

Background



This preview shows how black text looks on a background with the CIELCh color 30, 39.755, 106.618.

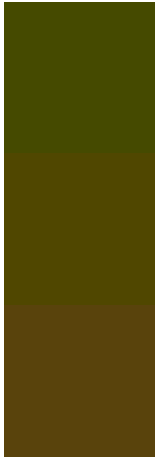


This preview shows how white text looks on a background with the CIELCh color 30, 39.755, 106.618.

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, 39.755, 106.618

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 34.557, 83.881



Tritanopia
30, 4.669, 324.807

Trichromacy



Original Color
30, 39.755, 106.618

Protanomaly
30, 38.967, 99.740

Deuteranomaly
30, 35.631, 93.119

Tritanomaly
30, 14.576, 103.562

Monochromacy



Original Color
30, 39.755, 106.618

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 17.144, 110.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 39.755, 106.618 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(69, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(69, 74, 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(69, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 74, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 39.755, 106.618 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(69, 74, 0) }
```

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

```
.border{ border-color:rgb(69, 74, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 74, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 74, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 74, 0); box-shadow:4px  
4px 4px 4px rgb(69, 74, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 39.755, 106.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 74, 0) }
```

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

```
.background{ background-color: rgb(69, 74,  
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