

Converting Colors

CIELCh(30, 39.284, 103.622)

Have a look what the booklet for
CIELCh(30, 39.284, 103.622)
contains.

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Color

CIELCh(30, 39.653, 103.611)

Conversions

Conversions Part 1

Format	Color
Hex	494A00
RGB	73, 74, 0
RGB Percent	29%, 29%, 0%
CMY	0.7156, 0.7115, 1.0000
CMYK	0.01, 0.00, 1.00, 0.71
HSL	61°, 100%, 14%
HSV	61°, 100%, 29%
XYZ	5.1290, 6.2359, 0.9218
YIQ	65.2650, 23.1580, -23.2260

Conversions

Conversions Part 2

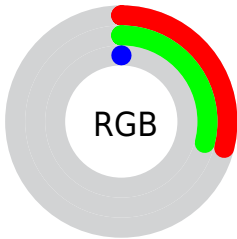
Format	Color
RYB	0, 74, 1
Decimal	4803072
CIELab	30.00, -9.33, 38.54
CIELCh	30, 39.653, 103.611
Yxy	6.2359, 0.4174, 0.5075
Android (android.graphics.Color)	4282993152 (0xFF494A00)
YUV	65.2650, -32.1756, 6.7836
Hunter-Lab	24.9718, -7.0384, 15.2917

Details

The CIELCh color **30, 39.653, 103.611** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 51.685, 304.504**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 39.460, 103.610**, and **10, 17.674, 119.203** is the 20% darker color. If you saturate the color by 10%, you get **30, 39.492, 103.643**, and if you desaturate by 10%, it is **30, 36.677, 104.108**.

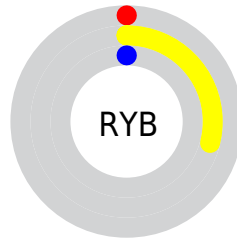
Distribution



Red (29%)

Green (29%)

Blue (0%)



Red (0%)

Yellow (29%)

Blue (0%)

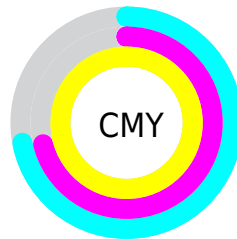


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (71%)



Cyan (72%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 39.653, 103.611 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, 39.653, 103.611 by changing the saturation by 10% instead.


 30, 39.653,
103.611


 30, 39.653,
103.611

 100, 39.653,
103.611


 20, 39.653,
103.611


 50, 39.653,
103.611


 10, 39.653,
103.611

 60, 39.653,
103.611

 0, 39.653, 103.611

 70, 39.653,
103.611

 80, 39.653,
103.611

 90, 39.653,
103.611

■ 30, 39.653,
103.611

■ 30, 39.653,
103.611

■ 30, 39.492,
103.643

■ 30, 36.677,
104.108

■ 30, 33.980,
104.554

■ 30, 30.682,
105.126

■ 30, 26.888,
105.803

■ 30, 22.754,
106.557

■ 31, 18.395,
107.362

■ 31, 13.892,
108.196

■ 31, 9.302, 109.043

Harmonies

Complementary

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



30, 39.653, 103.611



4, 51.685, 304.504

Rectangle

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



30, 39.653, 103.611



30, 39.653, 153.611



30, 39.653, 283.611



30, 39.653, 333.611

Sweetspot

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



30, 39.492, 103.643



40, 17.443, 108.095



12, 37.864, 30.445



20, 11.725, 107.924



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, 39.492, 103.643



40, 47.714, 103.673



27, 43.692, 126.421



14, 2.533, 110.010



41, 48.589, 103.676



87, 88.758, 103.737

Inverse Universe

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



4, 51.685, 304.504



8, 65.773, 306.374



8, 50.322, 313.049



12, 2.581, 291.497



8, 66.985, 306.373



28, 122.467, 306.319

Previews

White Background



This preview shows how the CIELCh color 30, 39.653, 103.611 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, 39.653, 103.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

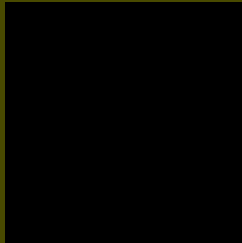
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 39.653, 103.611

Background



This preview shows how black text looks on a background with the CIELCh color 30, 39.653, 103.611.

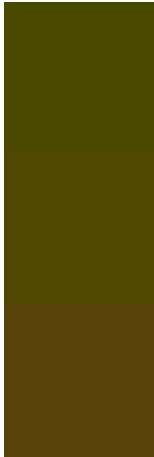


This preview shows how white text looks on a background with the CIELCh color 30, 39.653, 103.611.

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, 39.653, 103.611

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 34.929, 84.011



Tritanopia
30, 5.531, 336.380

Trichromacy



Original Color
30, 39.653, 103.611

Protanomaly
30, 39.003, 98.960

Deuteranomaly
30, 35.836, 91.346

Tritanomaly
30, 14.788, 97.805

Monochromacy



Original Color
30, 39.653, 103.611

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 17.112, 106.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 39.653, 103.611 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(73, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 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(73, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 74, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 39.653, 103.611 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(73, 74, 0) }
```

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

```
.border{ border-color:rgb(73, 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(73, 74, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 74, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 74, 0); box-shadow:4px  
4px 4px 4px rgb(73, 74, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 39.653, 103.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 74, 0) }
```

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

```
.background{ background-color: rgb(73, 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](#).

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