

Converting Colors

CIELCh(39, 40.774, 120.083)

Have a look what the booklet for
CIELCh(39, 40.774, 120.083)
contains.

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Color

CIELCh(39, 41.002, 120.291)

Conversions

Conversions Part 1

Format	Color
Hex	4C641E
RGB	76, 100, 30
RGB Percent	30%, 39%, 12%
CMY	0.7034, 0.6092, 0.8837
CMYK	0.24, 0.00, 0.70, 0.61
HSL	81°, 54%, 25%
HSV	81°, 70%, 39%
XYZ	7.7042, 10.6589, 2.8559
YIQ	84.8440, 8.1660, -26.8580

Conversions

Conversions Part 2

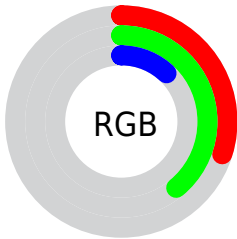
Format	Color
R_{YB}	30, 100, 54
Decimal	5006366
CIE Lab	39.00, -20.68, 35.40
CIE LCh	39, 41.002, 120.291
Yxy	10.6589, 0.3631, 0.5023
Android (android.graphics.Color)	4283196446 (0xFF4C641E)
YUV	84.8440, -27.0381, -7.7562
Hunter-Lab	32.6480, -15.0121, 17.6672

Details


The CIELCh color **39, 41.002, 120.291** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 47.395, 308.101**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 41.098, 120.312**, and **19, 32.953, 125.613** is the 20% darker color. If you saturate the color by 10%, you get **39, 45.334, 120.294**, and if you desaturate by 10%, it is **39, 35.974, 120.522**.

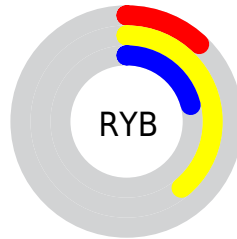
Distribution



 Red (30%)

 Green (39%)

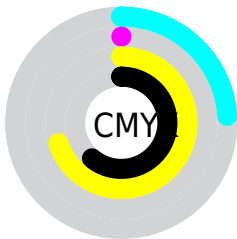
 Blue (12%)




 Red (12%)

 Yellow (39%)

 Blue (21%)

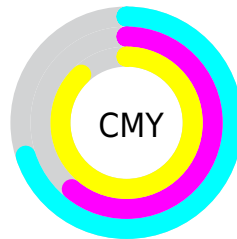


 Cyan (24%)


 Magenta (0%)

 Yellow (70%)

 Black (61%)



 Cyan (70%)


 Magenta (61%)


 Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 41.002, 120.291 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 39, 41.002, 120.291 by changing the saturation by 10% instead.


 39, 41.002,
120.291


 39, 41.002,
120.291

 100, 41.002,
120.291


 29, 41.002,
120.291

 59, 41.002,
120.291


 19, 41.002,
120.291


 69, 41.002,
120.291

 9, 41.002, 120.291

 79, 41.002,
120.291

 0, 41.002, 120.291

 89, 41.002,
120.291

 99, 41.002,
120.291

■ 39, 41.002,
120.291

■ 39, 41.002,
120.291

■ 39, 45.334,
120.294

■ 39, 35.974,
120.522

■ 38, 48.727,
120.623

■ 40, 30.468,
120.899

■ 38, 51.681,
120.993

■ 40, 24.650,
121.362

■ 41, 18.639,
121.867

■ 41, 12.517,
122.387

■ 42, 6.340, 122.903

■ 42, 0.147, 123.655

■ 43, 6.031, 303.859

■ 43, 12.175,
304.307

Harmonies

Complementary

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



39, 41.002, 120.291



18, 47.395, 308.101

Rectangle

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



39, 41.002, 120.291



39, 41.002, 170.291



39, 41.002, 300.291



39, 41.002, 350.291

Sweetspot

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



39, 41.002, 120.293



53, 16.154, 122.315



28, 30.033, 51.687



27, 11.014, 122.215



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 41.002, 120.293



50, 57.514, 120.455



37, 46.993, 135.623



21, 3.540, 122.970



44, 57.203, 121.241



88, 99.837, 122.152

Inverse Universe

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



18, 47.395, 308.101



20, 69.193, 308.958



23, 47.539, 322.356



19, 3.598, 303.857



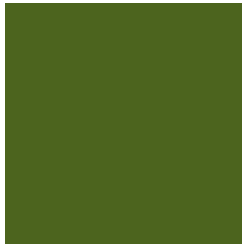
14, 71.107, 309.354



35, 124.210, 308.763

Previews

White Background



This preview shows how the CIE LCh color 39, 41.002, 120.291 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 × Fail

Black Background



This preview shows how the CIELCh color 39, 41.002, 120.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

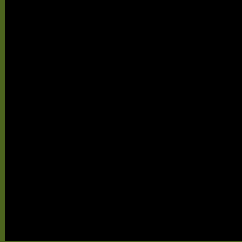
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 41.002, 120.291

Background



This preview shows how black text looks on a background with the CIELCh color 39, 41.002, 120.291.



This preview shows how white text looks on a background with the CIELCh color 39, 41.002, 120.291.

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

39, 41.002, 120.291

Protanopia

39, 37.006, 95.731

Deuteranopia

39, 34.465, 81.671



Tritanopia
39, 5.518, 250.303

Trichromacy



Original Color
39, 41.002, 120.291

Protanomaly
39, 37.438, 105.804

Deuteranomaly
39, 34.911, 98.044

Tritanomaly
39, 14.205, 133.753

Monochromacy



Original Color
39, 41.002, 120.291

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 16.389, 122.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 41.002, 120.291 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(76, 100, 30)` looks like.

```
.text, #text, p{  
    color:rgb(76, 100, 30)  
}
```

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(76, 100, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 100, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 41.002, 120.291 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(76, 100, 30) }
```

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

```
.border{ border-color:rgb(76, 100, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 100, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 100, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 100, 30);  
box-shadow:4px 4px 4px 4px rgb(76, 100,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 41.002, 120.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 100, 30) }
```

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

```
.background{ background-color: rgb(76, 100,  
30) }
```

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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