

Converting Colors

CIELCh(39, 52.303, 120.316)

Have a look what the booklet for
CIELCh(39, 52.303, 120.316)
contains.

CIELCh(39, 52.403, 120.609)	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(39, 52.403, 120.609)

Conversions

Conversions Part 1

Format	Color
Hex	446600
RGB	68, 102, 0
RGB Percent	27%, 40%, 0%
CMY	0.7346, 0.6012, 1.0000
CMYK	0.33, 0.00, 1.00, 0.60
HSL	80°, 100%, 20%
HSV	80°, 100%, 40%
XYZ	7.0808, 10.6589, 1.6735
YIQ	80.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

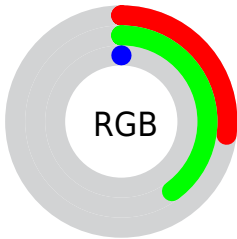
Format	Color
RYB	0, 102, 34
Decimal	4482560
CIELab	39.00, -26.68, 45.10
CIELCh	39, 52.403, 120.609
Yxy	10.6589, 0.3647, 0.5491
Android (android.graphics.Color)	4282672640 (0xFF446600)
YUV	80.2060, -39.5416, -10.7047
Hunter-Lab	32.6480, -18.4204, 19.8145

Details

The CIELCh color **39, 52.403, 120.609** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 65.270, 309.365**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 52.267, 120.575**, and **19, 36.640, 133.004** is the 20% darker color. If you saturate the color by 10%, you get **39, 52.308, 120.654**, and if you desaturate by 10%, it is **39, 49.308, 120.252**.

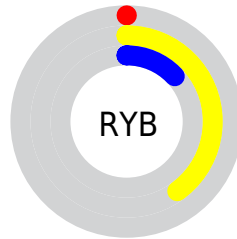
Distribution



Red (27%)

Green (40%)

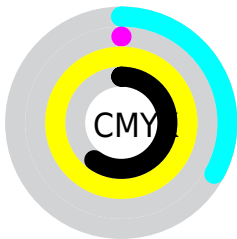
Blue (0%)



Red (0%)

Yellow (40%)

Blue (13%)

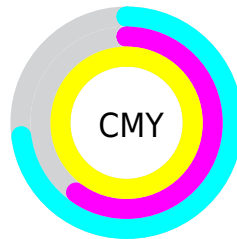


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (73%)

Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 52.403, 120.609 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, 52.403, 120.609 by changing the saturation by 10% instead.

 39, 52.403,
120.609


 39, 52.403,
120.609

 100, 52.403,
120.609

 29, 52.403,
120.609

 59, 52.403,
120.609

 19, 52.403,
120.609


 69, 52.403,
120.609

 9, 52.403, 120.609

 79, 52.403,
120.609

 0, 52.403, 120.609

 89, 52.403,
120.609

 99, 52.403,
120.609

■ 39, 52.403,
120.609

■ 39, 52.403,
120.609

■ 39, 52.308,
120.654

■ 39, 49.308,
120.252

■ 40, 45.871,
119.932

■ 40, 41.476,
119.938

■ 40, 36.372,
120.175

■ 41, 30.781,
120.559

■ 41, 24.874,
121.029

■ 41, 18.771,
121.542

■ 42, 12.554,

122.069

■ 42, 6.282, 122.592

Harmonies

Complementary

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



39, 52.403, 120.609



11, 65.270, 309.365

Rectangle

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



39, 52.403, 120.609



39, 52.403, 170.609



39, 52.403, 300.609



39, 52.403, 350.609

Sweetspot

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



39, 52.308, 120.654



53, 23.334, 121.496



23, 44.813, 49.627



27, 15.767, 121.344



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, 52.308, 120.654



50, 63.396, 121.085



37, 59.767, 134.505



21, 3.535, 122.648



44, 57.057, 120.862



88, 99.561, 121.762

Inverse Universe

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



11, 65.270, 309.365



17, 79.156, 309.073



20, 59.623, 322.220



19, 3.593, 303.549



14, 71.219, 309.223



34, 124.404, 308.639

Previews

White Background



This preview shows how the CIELCh color 39, 52.403, 120.609 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 CIE LCh color 39, 52.403, 120.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

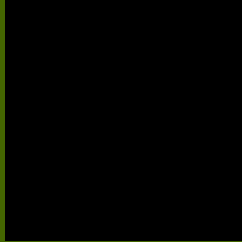
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 52.403, 120.609

Background



This preview shows how black text looks on a background with the CIELCh color 39, 52.403, 120.609.



This preview shows how white text looks on a background with the CIELCh color 39, 52.403, 120.609.

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

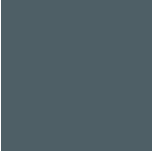
39, 52.403, 120.609

Protanopia

39, 46.445, 95.284

Deuteranopia

39, 40.970, 82.677



Tritanopia
39, 7.753, 232.429

Trichromacy



Original Color
39, 52.403, 120.609

Protanomaly
39, 47.484, 105.869

Deuteranomaly
38, 42.429, 99.310

Tritanomaly
39, 21.888, 134.828

Monochromacy



Original Color
39, 52.403, 120.609

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 23.132, 120.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 52.403, 120.609 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, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 102, 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, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 52.403, 120.609 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, 102, 0) }
```

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

```
.border{ border-color:rgb(68, 102, 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, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 102, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 52.403, 120.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 102, 0) }
```

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

```
.background{ background-color: rgb(68, 102,  
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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