

Converting Colors

CIELCh(39, 43.578, 126.329)

Have a look what the booklet for
CIELCh(39, 43.578, 126.329)
contains.

CIELCh(39, 43.722, 126.324)	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, 43.722, 126.324)

Conversions

Conversions Part 1

Format	Color
Hex	42661E
RGB	66, 102, 30
RGB Percent	26%, 40%, 12%
CMY	0.7428, 0.6016, 0.8839
CMYK	0.35, 0.00, 0.71, 0.60
HSL	90°, 55%, 26%
HSV	90°, 71%, 40%
XYZ	7.1602, 10.6589, 2.8817
YIQ	83.0280, 1.6560, -30.0240

Conversions

Conversions Part 2

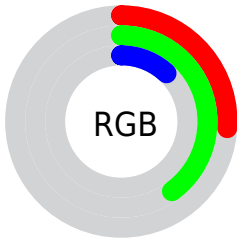
Format	Color
RYB	30, 102, 66
Decimal	4351518
CIELab	39.00, -25.90, 35.23
CIElCh	39, 43.722, 126.324
Yxy	10.6589, 0.3459, 0.5149
Android (android.graphics.Color)	4282541598 (0xFF42661E)
YUV	83.0280, -26.1428, -14.9336
Hunter-Lab	32.6480, -17.9862, 17.6204

Details

The CIELCh color $39, 43.722, 126.324$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $20, 48.357, 312.335$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $59, 43.623, 126.127$, and $19, 36.295, 132.165$ is the 20% darker color. If you saturate the color by 10%, you get $39, 48.346, 126.373$, and if you desaturate by 10%, it is $39, 38.376, 126.518$.

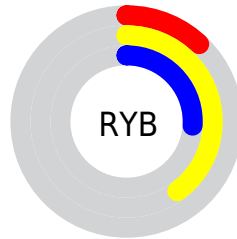
Distribution



Red (26%)

Green (40%)

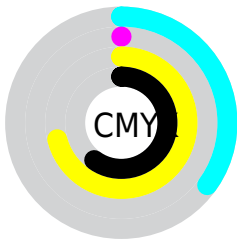
Blue (12%)



Red (12%)

Yellow (40%)

Blue (26%)

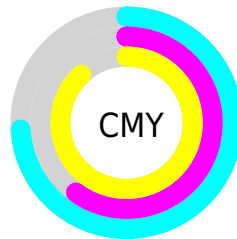


Cyan (35%)

Magenta (0%)

Yellow (71%)

Black (60%)



Cyan (74%)


Magenta (60%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 43.722, 126.324 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, 43.722, 126.324 by changing the saturation by 10% instead.


 39, 43.722,
126.324

 39, 43.722,
126.324

 100, 43.722,
126.324


 29, 43.722,
126.324

 59, 43.722,
126.324

 19, 43.722,
126.324

 69, 43.722,
126.324

 9, 43.722, 126.324

 79, 43.722,
126.324

 0, 43.722, 126.324

 89, 43.722,
126.324

 99, 43.722,
126.324

■ 39, 43.722,
126.324

■ 39, 43.722,
126.324

■ 39, 48.346,
126.373

■ 39, 38.376,
126.518

■ 38, 52.003,
126.766

■ 40, 32.533,
126.858

■ 38, 55.022,
127.115

■ 40, 26.370,
127.278

■ 41, 20.014,
127.730

■ 42, 13.553,
128.187

■ 42, 7.051, 128.632

■ 43, 0.553, 129.167

■ 44, 5.907, 309.410

■ 45, 12.306,
309.770

Harmonies

Complementary

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



39, 43.722, 126.324



20, 48.357, 312.335

Rectangle

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



39, 43.722, 126.324



39, 43.722, 176.324



39, 43.722, 306.324



39, 43.722, 356.324

Sweetspot

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



39, 43.722, 126.325



54, 16.978, 128.153



31, 30.140, 66.979



27, 11.397, 128.068



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, 43.722, 126.325



50, 61.538, 126.589



37, 49.969, 138.498



21, 3.654, 128.717



43, 60.106, 127.348



86, 105.225, 128.326

Inverse Universe

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



20, 48.357, 312.335



23, 69.536, 312.561



26, 49.219, 327.663



19, 3.700, 309.431



16, 68.905, 312.379



39, 120.248, 311.707

Previews

White Background



This preview shows how the CIE LCh color 39, 43.722, 126.324 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, 43.722, 126.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

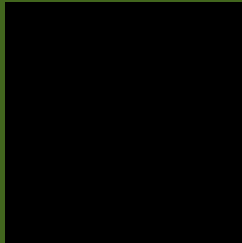
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 43.722, 126.324

Background



This preview shows how black text looks on a background with the CIELCh color 39, 43.722, 126.324.



This preview shows how white text looks on a background with the CIELCh color 39, 43.722, 126.324.

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

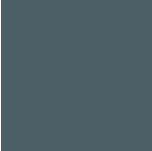
39, 43.722, 126.324

Protanopia

39, 37.453, 95.755

Deuteranopia

39, 33.982, 81.438



Tritanopia
39, 8.367, 229.607

Trichromacy



Original Color
39, 43.722, 126.324

Protanomaly
39, 37.994, 108.678

Deuteranomaly
38, 34.223, 101.355

Tritanomaly
39, 16.728, 147.474

Monochromacy



Original Color
39, 43.722, 126.324

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 16.961, 127.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 43.722, 126.324 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, 102, 30)` looks like.

```
.text, #text, p{  
    color:rgb(66, 102, 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(66, 102, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 102, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 43.722, 126.324 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, 102, 30) }
```

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

```
.border{ border-color:rgb(66, 102, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 102, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 102, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 102, 30);  
box-shadow:4px 4px 4px 4px rgb(66, 102,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 43.722, 126.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 102, 30) }
```

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

```
.background{ background-color: rgb(66, 102,  
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](#).

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