

Converting Colors

CIELCh(39, 39.293, 126.438)

Have a look what the booklet for
CIELCh(39, 39.293, 126.438)
contains.

CIELCh(39, 39.579, 126.451)	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, 39.579, 126.451)

Conversions

Conversions Part 1

Format	Color
Hex	456525
RGB	69, 101, 37
RGB Percent	27%, 40%, 15%
CMY	0.7302, 0.6047, 0.8556
CMYK	0.32, 0.00, 0.63, 0.60
HSL	90°, 46%, 27%
HSV	90°, 63%, 40%
XYZ	7.4054, 10.6589, 3.4019
YIQ	84.1360, 1.4720, -26.6880

Conversions

Conversions Part 2

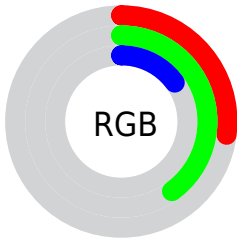
Format	Color
R_{YB}	37, 101, 69
Decimal	4547877
CIE _{Lab}	39.00, -23.52, 31.84
CIE _{LCh}	39, 39.579, 126.451
Yxy	10.6589, 0.3450, 0.4965
Android (android.graphics.Color)	4282737957 (0xFF456525)
YUV	84.1360, -23.2380, -13.2743
Hunter-Lab	32.6480, -16.6456, 16.6757

Details

The CIELCh color **39, 39.579, 126.451** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 43.288, 312.065**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 39.354, 126.788**, and **19, 34.742, 129.605** is the 20% darker color. If you saturate the color by 10%, you get **39, 44.732, 126.311**, and if you desaturate by 10%, it is **39, 33.882, 126.762**.

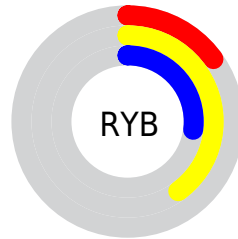
Distribution



 Red (27%)

 Green (40%)

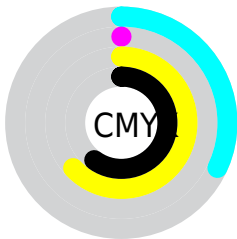
 Blue (15%)



 Red (15%)

 Yellow (40%)

 Blue (27%)

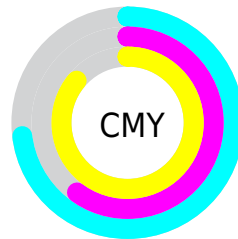


 Cyan (32%)


 Magenta (0%)

 Yellow (63%)

 Black (60%)



 Cyan (73%)


 Magenta (60%)


 Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 39.579, 126.451 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, 39.579, 126.451 by changing the saturation by 10% instead.


 39, 39.579,
126.451


 39, 39.579,
126.451

 100, 39.579,
126.451


 29, 39.579,
126.451

 59, 39.579,
126.451


 19, 39.579,
126.451


 69, 39.579,
126.451

 9, 39.579, 126.451

 79, 39.579,
126.451

 0, 39.579, 126.451

 89, 39.579,
126.451

 99, 39.579,
126.451

■ 39, 39.579,
126.451

■ 39, 39.579,
126.451

■ 39, 44.732,
126.311

■ 39, 33.882,
126.762

■ 38, 49.103,
126.437

■ 40, 27.827,
127.166

■ 38, 52.536,
126.888

■ 41, 21.551,
127.613

■ 38, 54.711,
127.100

■ 41, 15.151,
128.070

■ 42, 8.697, 128.518

■ 42, 2.237, 128.964

■ 43, 4.194, 309.308

■ 44, 10.570,
309.680

■ 45, 16.872,
310.012

Harmonies

Complementary

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



39, 39.579, 126.451



22, 43.288, 312.065

Rectangle

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



39, 39.579, 126.451



39, 39.579, 176.451



39, 39.579, 306.451



39, 39.579, 356.451

Sweetspot

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



39, 39.580, 126.452



53, 15.120, 128.248



32, 26.528, 67.927



27, 10.487, 128.154



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, 39.580, 126.452



49, 56.216, 126.330



37, 45.504, 139.291



21, 3.654, 128.717



43, 60.106, 127.349



86, 105.226, 128.327

Inverse Universe

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



22, 43.288, 312.065



25, 62.806, 312.513



27, 45.035, 327.422



19, 3.700, 309.432



16, 68.905, 312.380



39, 120.247, 311.708

Previews

White Background



This preview shows how the CIELCh color 39, 39.579, 126.451 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, 39.579, 126.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

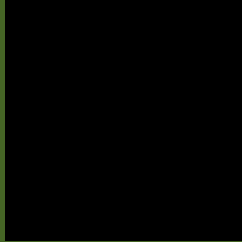
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 39.579, 126.451

Background



This preview shows how black text looks on a background with the CIELCh color 39, 39.579, 126.451.



This preview shows how white text looks on a background with the CIELCh color 39, 39.579, 126.451.

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

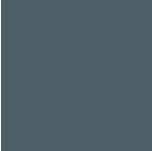
39, 39.579, 126.451

Protanopia

39, 34.089, 96.359

Deuteranopia

39, 30.761, 80.602



Tritanopia
39, 7.787, 238.006

Trichromacy



Original Color
39, 39.579, 126.451

Protanomaly
39, 34.681, 108.766

Deuteranomaly
38, 31.221, 100.642

Tritanomaly
39, 14.247, 147.232

Monochromacy



Original Color
39, 39.579, 126.451

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 15.096, 128.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 39.579, 126.451 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, 101, 37)` looks like.

```
.text, #text, p{  
    color:rgb(69, 101, 37)  
}
```

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, 101, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 101, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 39.579, 126.451 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, 101, 37) }
```

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

```
.border{ border-color:rgb(69, 101, 37) }
```

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

Here you see how a box with a 4 pixel rgb(69, 101, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 101, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 101, 37);  
box-shadow:4px 4px 4px 4px rgb(69, 101,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 39.579, 126.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 101, 37) }
```

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

```
.background{ background-color: rgb(69, 101,  
37) }
```

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