

Converting Colors

CIELCh(39, 15.558, 114.080)

Have a look what the booklet for
CIELCh(39, 15.558, 114.080)
contains.

CIELCh(39, 15.233, 114.636)	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, 15.233, 114.636)

Conversions

Conversions Part 1

Format	Color
Hex	5A5E45
RGB	90, 94, 69
RGB Percent	35%, 37%, 27%
CMY	0.6462, 0.6305, 0.7286
CMYK	0.04, 0.00, 0.27, 0.63
HSL	70°, 15%, 32%
HSV	70°, 27%, 37%
XYZ	9.3385, 10.6589, 7.2281
YIQ	89.9540, 5.6410, -8.6230

Conversions

Conversions Part 2

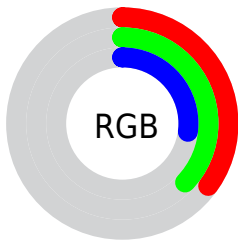
Format	Color
RYB	69, 94, 73
Decimal	5922373
CIELab	39.00, -6.35, 13.85
CIElCh	39, 15.233, 114.636
Yxy	10.6589, 0.3430, 0.3915
Android (android.graphics.Color)	4284112453 (0xFF5A5E45)
YUV	89.9540, -10.3303, 0.0403
Hunter-Lab	32.6480, -6.0765, 9.7272

Details


The CIELCh color $[39, 15.233, 114.636]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[31, 16.101, 298.576]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[59, 15.273, 114.625]$, and $[19, 14.868, 114.631]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 20.842, 113.961]$, and if you desaturate by 10%, it is $[39, 9.530, 115.327]$.

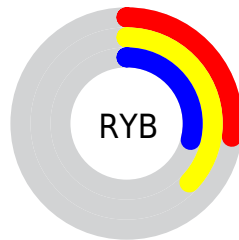
Distribution



 Red (35%)

 Green (37%)

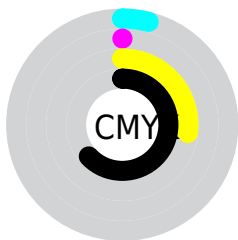
 Blue (27%)




 Red (27%)

 Yellow (37%)

 Blue (29%)

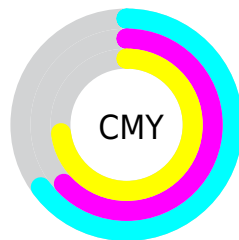


 Cyan (4%)

 Magenta (0%)

 Yellow (27%)

 Black (63%)



 Cyan (65%)


 Magenta (63%)


 Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 15.233, 114.636 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, 15.233, 114.636 by changing the saturation by 10% instead.


 39, 15.233,
114.636


 39, 15.233,
114.636

 100, 15.233,
114.636


 29, 15.233,
114.636

 59, 15.233,
114.636


 19, 15.233,
114.636


 69, 15.233,
114.636

 9, 15.233, 114.636

 79, 15.233,
114.636

 0, 15.233, 114.636

 89, 15.233,
114.636

 99, 15.233,
114.636

■ 39, 15.233,
114.636

■ 39, 15.233,
114.636

■ 39, 20.842,
113.961

■ 39, 9.530, 115.327

■ 38, 26.287,
113.313

■ 40, 3.775, 116.009

■ 40, 2.001, 296.676

■ 38, 31.473,
112.727

■ 41, 7.774, 297.318

■ 38, 36.258,
112.244

■ 41, 13.530,
297.932

■ 38, 40.451,
111.919

■ 42, 19.257,
298.515

■ 38, 43.820,
111.818

■ 42, 24.944,
299.066

■ 37, 46.513,
111.888

■ 43, 30.586,
299.585

■ 37, 47.493,

■ 43, 36.176,

111.885

300.071

Harmonies

Complementary

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



39, 15.233, 114.636



31, 16.101, 298.576

Rectangle

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



39, 15.233, 114.636



39, 15.233, 164.636



39, 15.233, 294.636



39, 15.233, 344.636

Sweetspot

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



39, 15.234, 114.639



51, 5.722, 115.894



33, 10.136, 34.159



26, 4.028, 115.819



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



39, 15.234, 114.639



50, 22.695, 114.200



38, 16.862, 133.015



19, 3.162, 115.856



43, 52.868, 112.045



88, 93.367, 112.612

Inverse Universe

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



31, 16.101, 298.576



37, 24.361, 299.216



32, 17.241, 315.182



17, 3.222, 297.069



11, 70.792, 307.248



31, 125.497, 306.867

Previews

White Background



This preview shows how the CIE LCh color 39, 15.233, 114.636 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, 15.233, 114.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

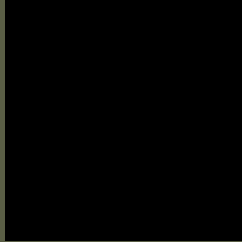
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

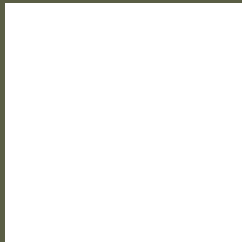
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 15.233, 114.636

Background



This preview shows how black text looks on a background with the CIELCh color 39, 15.233, 114.636.



This preview shows how white text looks on a background with the CIELCh color 39, 15.233, 114.636.

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, 15.233, 114.636

Protanopia

39, 14.826, 97.073

Deuteranopia

39, 14.537, 68.535



Tritanopia
39, 5.200, 309.392

Trichromacy



Original Color
39, 15.233, 114.636

Protanomaly
39, 15.160, 104.296

Deuteranomaly
39, 13.433, 83.812

Tritanomaly
39, 2.471, 99.808

Monochromacy



Original Color
39, 15.233, 114.636

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 6.169, 117.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 15.233, 114.636 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(90, 94, 69)` looks like.

```
.text, #text, p{  
    color:rgb(90, 94, 69)  
}
```

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(90, 94, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 94, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 15.233, 114.636 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(90, 94, 69) }
```

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

```
.border{ border-color:rgb(90, 94, 69) }
```

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

Here you see how a box with a 4 pixel rgb(90, 94, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 94, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 94, 69);  
box-shadow:4px 4px 4px 4px rgb(90, 94, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 15.233, 114.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 94, 69) }
```

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

```
.background{ background-color: rgb(90, 94,  
69) }
```

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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