

Converting Colors

CIELCh(39, 28.009, 119.448)

Have a look what the booklet for
CIELCh(39, 28.009, 119.448)
contains.

CIELCh(39, 28.005, 119.454)	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, 28.005, 119.454)

Conversions

Conversions Part 1

Format	Color
Hex	536133
RGB	83, 97, 51
RGB Percent	33%, 38%, 20%
CMY	0.6740, 0.6191, 0.7995
CMYK	0.14, 0.00, 0.47, 0.62
HSL	78°, 31%, 29%
HSV	78°, 47%, 38%
XYZ	8.4661, 10.6589, 4.7574
YIQ	87.5700, 6.4220, -17.2740

Conversions

Conversions Part 2

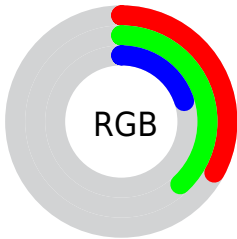
Format	Color
R_{YB}	51, 97, 65
Decimal	5464371
CIE _{Lab}	39.00, -13.77, 24.39
CIE _{LCh}	39, 28.005, 119.454
Yxy	10.6589, 0.3545, 0.4463
Android (android.graphics.Color)	4283654451 (0xFF536133)
YUV	87.5700, -18.0290, -4.0079
Hunter-Lab	32.6480, -10.8464, 14.2140

Details

The CIELCh color $[39, 28.005, 119.454]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[25, 30.773, 305.193]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[59, 28.500, 119.893]$, and $[19, 28.353, 119.308]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 33.449, 119.023]$, and if you desaturate by 10%, it is $[39, 22.294, 119.960]$.

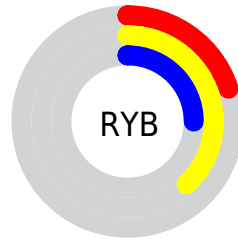
Distribution



Red (33%)

Green (38%)

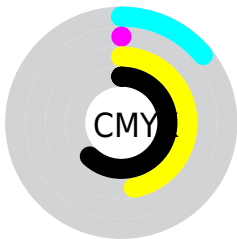
Blue (20%)



Red (20%)

Yellow (38%)

Blue (25%)

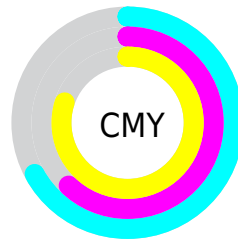


Cyan (14%)

Magenta (0%)

Yellow (47%)

Black (62%)



Cyan (67%)

Magenta (62%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 28.005, 119.454 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, 28.005, 119.454 by changing the saturation by 10% instead.

 39, 28.005,
119.454

 39, 28.005,
119.454

 100, 28.005,
119.454

 29, 28.005,
119.454

 59, 28.005,
119.454

 19, 28.005,
119.454

 69, 28.005,
119.454

 9, 28.005, 119.454

 79, 28.005,
119.454

 0, 28.005, 119.454

 89, 28.005,
119.454

 99, 28.005,
119.454

■ 39, 28.005,
119.454

■ 39, 28.005,
119.454

■ 39, 33.449,
119.023

■ 39, 22.294,
119.960

■ 38, 38.478,
118.715

■ 40, 16.418,
120.497

■ 38, 42.893,
118.604

■ 40, 10.448,
121.044

■ 38, 46.458,
118.779

■ 41, 4.434, 121.586

■ 38, 49.381,
119.140

■ 41, 1.591, 302.080

■ 37, 50.190,
119.200

■ 42, 7.602, 302.590

■ 43, 13.579,
303.059

■ 43, 19.510,
303.496

■ 44, 25.384,
303.903

Harmonies

Complementary

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



39, 28.005, 119.454



25, 30.773, 305.193

Rectangle

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



39, 28.005, 119.454



39, 28.005, 169.454



39, 28.005, 299.454



39, 28.005, 349.454

Sweetspot

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



39, 28.006, 119.456



52, 10.538, 121.204



31, 18.572, 49.221



26, 7.211, 121.121



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



39, 28.006, 119.456



50, 41.467, 118.971



37, 32.005, 136.296



20, 3.369, 121.504



43, 55.644, 119.443



87, 97.815, 120.327

Inverse Universe

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



25, 30.773, 305.193



29, 46.900, 306.164



28, 32.593, 320.717



18, 3.426, 302.443



13, 70.449, 308.805



33, 124.064, 308.235

Previews

White Background



This preview shows how the CIE LCh color 39, 28.005, 119.454 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, 28.005, 119.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

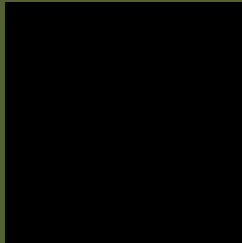
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 28.005, 119.454

Background



This preview shows how black text looks on a background with the CIELCh color 39, 28.005, 119.454.



This preview shows how white text looks on a background with the CIELCh color 39, 28.005, 119.454.

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, 28.005, 119.454

Protanopia

39, 26.070, 96.393

Deuteranopia

39, 24.476, 78.093



Tritanopia
39, 4.433, 274.936

Trichromacy



Original Color
39, 28.005, 119.454

Protanomaly
39, 26.154, 104.974

Deuteranomaly
39, 24.074, 93.607

Tritanomaly
39, 7.935, 131.430

Monochromacy



Original Color
39, 28.005, 119.454

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 10.036, 121.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 28.005, 119.454 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(83, 97, 51)` looks like.

```
.text, #text, p{  
    color:rgb(83, 97, 51)  
}
```

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(83, 97, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 97, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 28.005, 119.454 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(83, 97, 51) }
```

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

```
.border{ border-color:rgb(83, 97, 51) }
```

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

Here you see how a box with a 4 pixel rgb(83, 97, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 97, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 97, 51);  
box-shadow:4px 4px 4px 4px rgb(83, 97, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 28.005, 119.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 97, 51) }
```

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

```
.background{ background-color: rgb(83, 97,  
51) }
```

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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