

Converting Colors

CIELCh(39, 12.787, 106.717)

Have a look what the booklet for
CIELCh(39, 12.787, 106.717)
contains.

CIELCh(39, 12.744, 106.118)	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, 12.744, 106.118)

Conversions

Conversions Part 1

Format	Color
Hex	5E5D48
RGB	94, 93, 72
RGB Percent	37%, 36%, 28%
CMY	0.6317, 0.6356, 0.7179
CMYK	0.00, 0.01, 0.23, 0.63
HSL	57°, 13%, 33%
HSV	57°, 23%, 37%
XYZ	9.6842, 10.6589, 7.6660
YIQ	90.9050, 7.3370, -6.3190

Conversions

Conversions Part 2

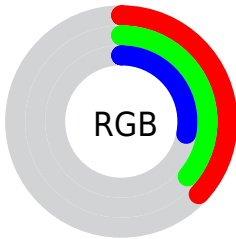
Format	Color
R_YB	73, 94, 72
Decimal	6184264
CIE Lab	39.00, -3.54, 12.24
CIE LCh	39, 12.744, 106.118
Yxy	10.6589, 0.3458, 0.3806
Android (android.graphics.Color)	4284374344 (0xFF5E5D48)
YUV	90.9050, -9.3202, 2.7143
Hunter-Lab	32.6480, -4.1868, 8.9320

Details

The CIELCh color $[39, 12.744, 106.118]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[32, 13.342, 290.871]$, and the grayscale version is $[39, 0.005, 296.813]$.

A 20% lighter version of the original color is $[59, 12.408, 104.930]$, and $[19, 12.808, 104.624]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 18.111, 105.183]$, and if you desaturate by 10%, it is $[39, 7.317, 107.060]$.

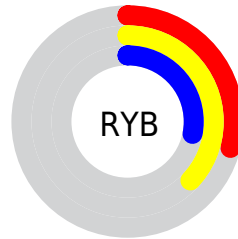
Distribution



 Red (37%)

 Green (36%)

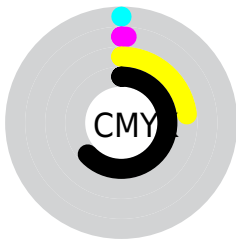
 Blue (28%)



 Red (29%)

 Yellow (37%)

 Blue (28%)

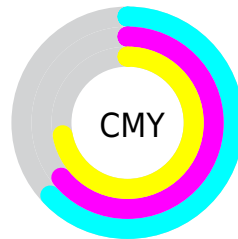



 Cyan (0%)

 Magenta (1%)

 Yellow (23%)

 Black (63%)



 Cyan (63%)


 Magenta (64%)


 Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 12.744, 106.118 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, 12.744, 106.118 by changing the saturation by 10% instead.


 39, 12.744,
106.118


 39, 12.744,
106.118

 100, 12.744,
106.118


 29, 12.744,
106.118

 59, 12.744,
106.118


 19, 12.744,
106.118


 69, 12.744,
106.118

 9, 12.744, 106.118

 79, 12.744,
106.118

 0, 12.744, 106.118

 89, 12.744,
106.118

 99, 12.744,
106.118

■ 39, 12.744,
106.118

■ 39, 12.744,
106.118

■ 39, 18.111,
105.183

■ 39, 7.317, 107.060

■ 38, 23.361,
104.254

■ 40, 1.861, 107.969

■ 38, 28.413,
103.354

■ 40, 3.599, 288.916

■ 38, 33.141,
102.502

■ 41, 14.478,
290.637

■ 38, 37.369,
101.723

■ 42, 19.880,
291.451

■ 37, 40.862,
101.042

■ 42, 25.249,
292.229

■ 37, 43.494,
100.469

■ 43, 30.582,
292.969

■ 37, 45.249,

■ 43, 35.874,

100.101

293.671

Harmonies

Complementary

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



39, 12.744, 106.118



32, 13.342, 290.871

Rectangle

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



39, 12.744, 106.118



39, 12.744, 156.118



39, 12.744, 286.118



39, 12.744, 336.118

Sweetspot

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



39, 12.745, 106.123



51, 4.746, 107.632



33, 10.002, 17.089



26, 3.055, 107.608



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, 12.745, 106.123



50, 18.912, 105.610



38, 14.089, 126.272



19, 2.998, 107.487



43, 50.419, 100.047



88, 88.691, 99.856

Inverse Universe

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



32, 13.342, 290.871



39, 20.040, 291.608



32, 14.562, 308.392



17, 3.052, 289.175



11, 69.303, 305.283



30, 124.836, 305.888

Previews

White Background



This preview shows how the CIELCh color 39, 12.744, 106.118 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, 12.744, 106.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

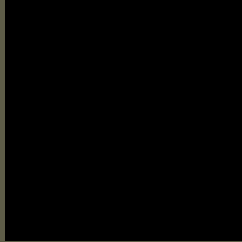
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

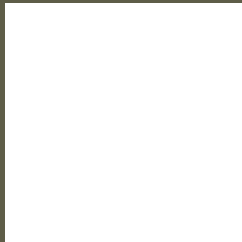
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 12.744, 106.118

Background



This preview shows how black text looks on a background with the CIELCh color 39, 12.744, 106.118.



This preview shows how white text looks on a background with the CIELCh color 39, 12.744, 106.118.

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, 12.744, 106.118

Protanopia

39, 13.052, 95.991

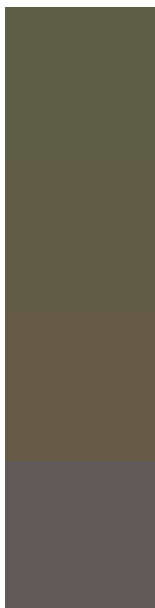
Deuteranopia

39, 12.779, 65.417



Tritanopia
39, 5.211, 324.780

Trichromacy



Original Color
39, 12.744, 106.118

Protanomaly
39, 12.960, 97.981

Deuteranomaly
39, 11.771, 80.669

Tritanomaly
39, 2.815, 60.026

Monochromacy



Original Color
39, 12.744, 106.118

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.878, 109.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 12.744, 106.118 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(94, 93, 72)` looks like.

```
.text, #text, p{  
    color:rgb(94, 93, 72)  
}
```

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(94, 93, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 93, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 12.744, 106.118 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(94, 93, 72) }
```

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

```
.border{ border-color:rgb(94, 93, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 93, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 93, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 93, 72);  
box-shadow:4px 4px 4px 4px rgb(94, 93, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 12.744, 106.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 93, 72) }
```

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

```
.background{ background-color: rgb(94, 93,  
72) }
```

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