

Converting Colors

CIELCh(39, 42.006, 103.616)

Have a look what the booklet for
CIELCh(39, 42.006, 103.616)
contains.

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Color

CIELCh(39, 41.871, 103.618)

Conversions

Conversions Part 1

Format	Color
Hex	5F5F12
RGB	95, 95, 18
RGB Percent	37%, 37%, 7%
CMY	0.6275, 0.6275, 0.9294
CMYK	0.00, 0.00, 0.81, 0.63
HSL	60°, 68%, 22%
HSV	60°, 81%, 37%
XYZ	8.9190, 10.6589, 2.1591
YIQ	86.2220, 24.7170, -23.9470

Conversions

Conversions Part 2

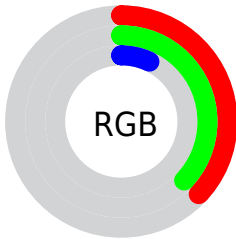
Format	Color
RYB	18, 95, 18
Decimal	6250258
CIELab	39.00, -9.86, 40.69
CIELCh	39, 41.871, 103.618
Yxy	10.6589, 0.4103, 0.4904
Android (android.graphics.Color)	4284440338 (0xFF5F5F12)
YUV	86.2220, -33.6334, 7.6983
Hunter-Lab	32.6480, -8.3705, 18.9326

Details

The CIELCh color **39, 41.871, 103.618** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 53.612, 302.966**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 41.834, 103.450**, and **19, 28.265, 107.264** is the 20% darker color. If you saturate the color by 10%, you get **39, 44.708, 103.198**, and if you desaturate by 10%, it is **39, 38.096, 104.193**.

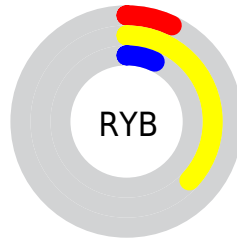
Distribution



Red (37%)

Green (37%)

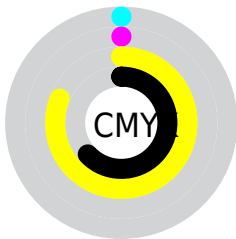
Blue (7%)



Red (7%)

Yellow (37%)

Blue (7%)

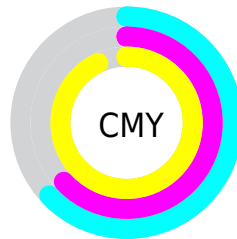


Cyan (0%)

Magenta (0%)

Yellow (81%)

Black (63%)



Cyan (63%)

Magenta (63%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 41.871, 103.618 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, 41.871, 103.618 by changing the saturation by 10% instead.


 39, 41.871,
103.618

 39, 41.871,
103.618

 100, 41.871,
103.618


 29, 41.871,
103.618

 59, 41.871,
103.618


 19, 41.871,
103.618


 69, 41.871,
103.618

 9, 41.871, 103.618

 79, 41.871,
103.618

 0, 41.871, 103.618

 89, 41.871,
103.618

 99, 41.871,
103.618

■ 39, 41.871,
103.618

■ 39, 41.871,
103.618

■ 39, 44.708,
103.198

■ 39, 38.096,
104.193

■ 39, 47.048,
102.854

■ 39, 33.600,
104.887

■ 39, 28.606,
105.669

■ 39, 23.283,
106.512

■ 40, 17.753,
107.392

■ 40, 12.097,
108.289

■ 40, 6.369, 109.188

■ 40, 0.606, 110.024

Harmonies

Complementary

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



39, 41.871, 103.618



12, 53.612, 302.966

Rectangle

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



39, 41.871, 103.618



39, 41.871, 153.618



39, 41.871, 283.618



39, 41.871, 333.618

Sweetspot

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



39, 41.871, 103.620



51, 16.958, 107.961



20, 40.342, 32.225



25, 11.528, 107.748



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, 41.871, 103.620



50, 55.560, 102.944



36, 45.931, 126.360



20, 3.284, 109.380



46, 52.900, 102.854



92, 92.475, 102.854

Inverse Universe

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



12, 53.612, 302.966



13, 75.919, 305.852



16, 51.473, 312.544



18, 3.349, 291.029



10, 73.045, 306.287



30, 127.692, 306.287

Previews

White Background



This preview shows how the CIE LCh color 39, 41.871, 103.618 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, 41.871, 103.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

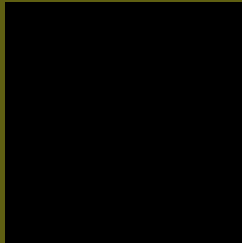
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 41.871, 103.618

Background



This preview shows how black text looks on a background with the CIELCh color 39, 41.871, 103.618.



This preview shows how white text looks on a background with the CIELCh color 39, 41.871, 103.618.

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, 41.871, 103.618

Protanopia

39, 41.426, 95.890

Deuteranopia

39, 40.200, 82.415



Tritanopia
39, 6.980, 342.583

Trichromacy



Original Color
39, 41.871, 103.618

Protanomaly
39, 41.575, 98.728

Deuteranomaly
39, 39.874, 90.633

Tritanomaly
39, 15.064, 93.550

Monochromacy



Original Color
39, 41.871, 103.618

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 17.038, 107.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 41.871, 103.618 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(95, 95, 18)` looks like.

```
.text, #text, p{  
    color:rgb(95, 95, 18)  
}
```

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(95, 95, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 95, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 41.871, 103.618 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(95, 95, 18) }
```

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

```
.border{ border-color:rgb(95, 95, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 95, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 95, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 95, 18);  
box-shadow:4px 4px 4px 4px rgb(95, 95, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 41.871, 103.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 95, 18) }
```

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

```
.background{ background-color: rgb(95, 95,  
18) }
```

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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