

Converting Colors

CIELCh(39, 64.296, 51.435)

Have a look what the booklet for
CIELCh(39, 64.296, 51.435) contains.

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Color

CIELCh(39, 64.402, 51.416)

Conversions

Conversions Part 1

Format	Color
Hex	A13B00
RGB	161, 59, 0
RGB Percent	63%, 23%, 0%
CMY	0.3696, 0.7694, 1.0000
CMYK	0.00, 0.63, 1.00, 0.37
HSL	22°, 100%, 32%
HSV	22°, 100%, 63%
XYZ	16.2020, 10.6589, 1.1981
YIQ	82.7720, 79.7310, 3.2750

Conversions

Conversions Part 2

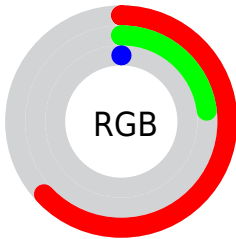
Format	Color
R_{YB}	161, 93, 0
Decimal	10566400
CIE Lab	39.00, 40.17, 50.34
CIE LCh	39, 64.402, 51.416
Yxy	10.6589, 0.5774, 0.3799
Android (android.graphics.Color)	4288756480 (0xFFA13B00)
YUV	82.7720, -40.8066, 68.6060
Hunter-Lab	32.6480, 31.4487, 20.6778

Details

The CIELCh color **39, 64.402, 51.416** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **41, 38.708, 266.754**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 64.391, 51.122**, and **19, 49.919, 36.107** is the 20% darker color. If you saturate the color by 10%, you get **39, 64.352, 51.381**, and if you desaturate by 10%, it is **41, 58.415, 52.649**.

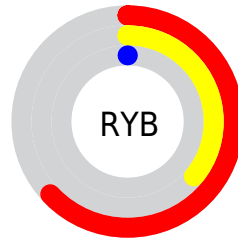
Distribution



Red (63%)

Green (23%)

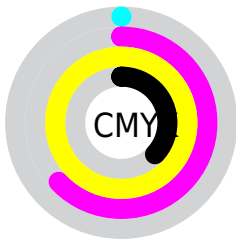
Blue (0%)



Red (63%)

Yellow (36%)

Blue (0%)

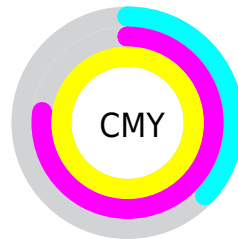


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 64.402, 51.416 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, 64.402, 51.416 by changing the saturation by 10% instead.

■ 39, 64.402, 51.416

■ 39, 64.402, 51.416

■ 100, 64.402,
51.416

■ 29, 64.402, 51.416

■ 59, 64.402, 51.416

■ 19, 64.402, 51.416

■ 69, 64.402, 51.416

■ 9, 64.402, 51.416

■ 79, 64.402, 51.416

■ 0, 64.402, 51.416

■ 89, 64.402, 51.416

■ 99, 64.402, 51.416

■ 39, 64.402, 51.416

■ 39, 64.402, 51.416

■ 39, 64.352, 51.381

■ 41, 58.415, 52.649

■ 43, 51.611, 53.681

■ 46, 44.222, 54.381

■ 48, 36.830, 55.001

■ 51, 29.708, 55.646

■ 54, 22.967, 56.350

■ 57, 16.641, 57.116

■ 60, 10.722, 57.928

■ 63, 5.184, 58.754

Harmonies

Complementary

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



39, 64.402, 51.416



41, 38.708, 266.754

Rectangle

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



39, 64.402, 51.416



39, 64.402, 101.416



39, 64.402, 231.416



39, 64.402, 281.416

Sweetspot

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



39, 64.352, 51.381



72, 20.654, 57.071



35, 63.584, 348.443



36, 14.255, 56.764



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



39, 64.352, 51.381



50, 78.750, 50.668



57, 62.120, 92.209



33, 2.962, 58.811



35, 59.597, 51.707



2, 4.474, 55.447

Inverse Universe

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



41, 38.708, 266.754



53, 47.686, 267.812



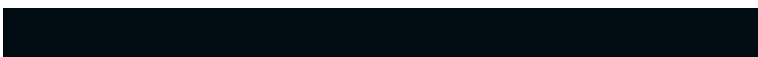
21, 86.343, 303.654



33, 2.844, 240.715



37, 35.744, 266.274



3, 4.578, 246.678

Previews

White Background



This preview shows how the CIELCh color 39, 64.402, 51.416 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, 64.402, 51.416 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, 64.402, 51.416

Background



This preview shows how black text looks on a background with the CIELCh color 39, 64.402, 51.416.



This preview shows how white text looks on a background with the CIELCh color 39, 64.402, 51.416.

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, 64.402, 51.416

Protanopia

39, 42.249, 95.287

Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 49.772, 26.957

Trichromacy



Original Color
39, 64.402, 51.416

Protanomaly
38, 45.844, 73.723

Deuteranomaly
38, 51.151, 68.491

Tritanomaly
39, 55.208, 39.166

Monochromacy



Original Color
39, 64.402, 51.416

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 22.969, 55.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 64.402, 51.416 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(161, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 59, 0)  
}
```

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(161, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 59, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 64.402, 51.416 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(161, 59, 0) }
```

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

```
.border{ border-color:rgb(161, 59, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 64.402, 51.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 59, 0) }
```

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

```
.background{ background-color: rgb(161, 59,  
0) }
```

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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