

Converting Colors

CIELCh(39, 78.168, 42.190)

Have a look what the booklet for
CIELCh(39, 78.168, 42.190) contains.

CIELCh(39, 78.179, 42.167)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 78.179, 42.167)

Conversions

Conversions Part 1

Format	Color
Hex	B51B00
RGB	181, 27, 0
RGB Percent	71%, 11%, 0%
CMY	0.2891, 0.8926, 0.9993
CMYK	0.00, 0.85, 1.00, 0.29
HSL	9°, 100%, 36%
HSV	9°, 100%, 71%
XYZ	19.5235, 10.6589, 1.0335
YIQ	69.9680, 100.4510, 24.2510

Conversions

Conversions Part 2

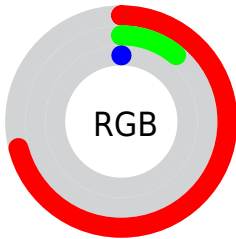
Format	Color
R _Y B	181, 32, 0
Decimal	11868928
CIE Lab	39.00, 57.95, 52.48
CIE LCh	39, 78.179, 42.167
Yxy	10.6589, 0.6254, 0.3415
Android (android.graphics.Color)	4290059008 (0xFFB51B00)
YUV	69.9680, -34.4942, 97.3751
Hunter-Lab	32.6480, 49.6091, 20.9767

Details

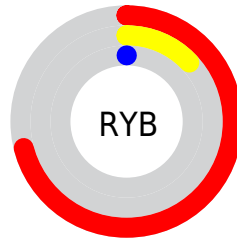
The CIELCh color **39, 78.179, 42.167** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **58, 33.731, 224.632**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 78.145, 42.122**, and **23, 57.241, 37.637** is the 20% darker color. If you saturate the color by 10%, you get **39, 78.244, 42.188**, and if you desaturate by 10%, it is **41, 71.458, 41.053**.

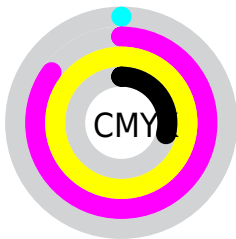
Distribution



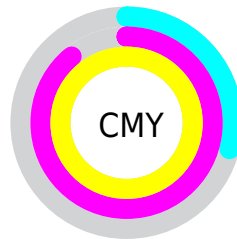
- Red (71%)
- Green (11%)
- Blue (0%)



- Red (71%)
- Yellow (13%)
- Blue (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (100%)
- Black (29%)



- Cyan (29%)
- Magenta (89%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 78.179, 42.167 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, 78.179, 42.167 by changing the saturation by 10% instead.

■ 39, 78.179, 42.167

■ 39, 78.179, 42.167

■ 100, 78.179,
42.167

■ 29, 78.179, 42.167

■ 59, 78.179, 42.167

■ 19, 78.179, 42.167

■ 69, 78.179, 42.167

■ 9, 78.179, 42.167

■ 79, 78.179, 42.167

■ 0, 78.179, 42.167

■ 89, 78.179, 42.167

■ 99, 78.179, 42.167

■ 39, 78.179, 42.167

■ 39, 78.179, 42.167

■ 39, 78.244, 42.188

■ 41, 71.458, 41.053

43, 63.110, 39.609

46, 53.995, 38.045

49, 44.857, 36.694

53, 36.039, 35.643

56, 27.705, 34.881

61, 19.929, 34.362

65, 12.725, 34.034

69, 6.074, 33.831

Harmonies

Complementary

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



39, 78.179, 42.167



58, 33.731, 224.632

Rectangle

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



39, 78.179, 42.167



39, 78.179, 92.167



39, 78.179, 222.167



39, 78.179, 272.167

Sweetspot

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



39, 78.176, 42.169



77, 24.718, 34.387



42, 79.551, 335.245



38, 17.140, 34.581



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



39, 78.176, 42.169



50, 95.350, 41.874



55, 63.819, 74.138



36, 3.504, 33.821



33, 69.451, 42.257



3, 9.598, 29.597

Inverse Universe

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



58, 33.731, 224.632



74, 40.907, 225.196



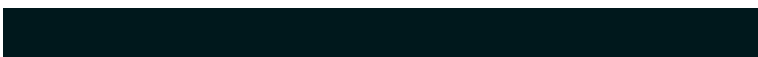
32, 73.514, 295.558



38, 3.303, 214.009



51, 30.141, 224.278



7, 8.731, 220.954

Previews

White Background



This preview shows how the CIELCh color 39, 78.179, 42.167 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, 78.179, 42.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

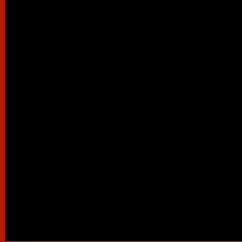
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 78.179, 42.167

Background



This preview shows how black text looks on a background with the CIELCh color 39, 78.179, 42.167.



This preview shows how white text looks on a background with the CIELCh color 39, 78.179, 42.167.

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, 78.179, 42.167

Protanopia

40, 40.405, 95.997

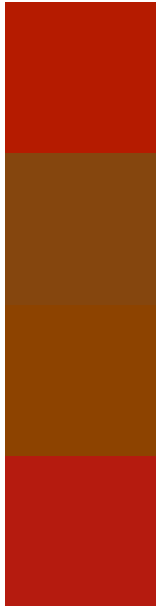
Deuteranopia

40, 47.653, 84.655



Tritanopia
39, 72.890, 36.641

Trichromacy



Original Color
39, 78.179, 42.167

Protanomaly
37, 47.884, 61.157

Deuteranomaly
37, 55.162, 59.488

Tritanomaly
39, 74.802, 39.010

Monochromacy



Original Color
39, 78.179, 42.167

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 28.984, 36.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 78.179, 42.167 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(181, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 27, 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(181, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 27, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 78.179, 42.167 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(181, 27, 0) }
```

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

```
.border{ border-color:rgb(181, 27, 0) }
```

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

Here you see how a box with a 4 pixel rgb(181, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 27, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 78.179, 42.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 27, 0) }
```

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

```
.background{ background-color: rgb(181, 27,  
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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