

Converting Colors

CIELCh(39, 72.053, 45.920)

Have a look what the booklet for
CIELCh(39, 72.053, 45.920) contains.

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Color

CIELCh(39, 71.660, 45.876)

Conversions

Conversions Part 1

Format	Color
Hex	AC2D00
RGB	172, 45, 0
RGB Percent	67%, 18%, 0%
CMY	0.3253, 0.8233, 0.9998
CMYK	0.00, 0.74, 1.00, 0.33
HSL	16°, 100%, 34%
HSV	16°, 100%, 67%
XYZ	17.9676, 10.6589, 1.1116
YIQ	77.8430, 90.1370, 12.9290

Conversions

Conversions Part 2

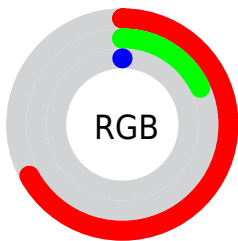
Format	Color
RYB	172, 61, 0
Decimal	11283712
CIELab	39.00, 49.89, 51.44
CIElCh	39, 71.660, 45.876
Yxy	10.6589, 0.6042, 0.3584
Android (android.graphics.Color)	4289473792 (0xFFAC2D00)
YUV	77.8430, -38.3766, 82.5757
Hunter-Lab	32.6480, 41.1022, 20.8348

Details

The CIELCh color **39, 71.660, 45.876** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **50, 34.478, 248.364**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 71.619, 46.091**, and **21, 53.908, 36.886** is the 20% darker color. If you saturate the color by 10%, you get **39, 71.676, 45.880**, and if you desaturate by 10%, it is **41, 64.985, 46.106**.

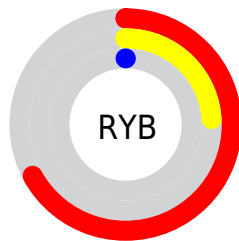
Distribution



Red (67%)

Green (18%)

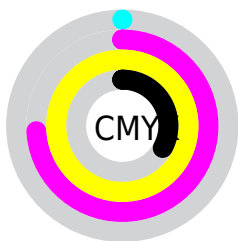
Blue (0%)



Red (67%)

Yellow (24%)

Blue (0%)

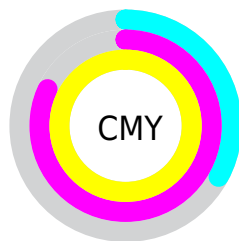


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 71.660, 45.876 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, 71.660, 45.876 by changing the saturation by 10% instead.

 39, 71.660, 45.876

 39, 71.660, 45.876

 100, 71.660,
45.876

 29, 71.660, 45.876

 59, 71.660, 45.876

 19, 71.660, 45.876

 69, 71.660, 45.876

 9, 71.660, 45.876

 79, 71.660, 45.876

 0, 71.660, 45.876

 89, 71.660, 45.876

 99, 71.660, 45.876

 39, 71.660, 45.876

 39, 71.660, 45.876

 39, 71.676, 45.880

 41, 64.985, 46.106

■ 43, 57.157, 46.066

■ 46, 48.743, 45.777

■ 49, 40.402, 45.526

■ 52, 32.427, 45.413

■ 56, 24.936, 45.456

■ 59, 17.965, 45.639

■ 63, 11.504, 45.934

■ 67, 5.524, 46.292

Harmonies

Complementary

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



39, 71.660, 45.876



50, 34.478, 248.364

Rectangle

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



39, 71.660, 45.876



39, 71.660, 95.876



39, 71.660, 225.876



39, 71.660, 275.876

Sweetspot

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



39, 71.657, 45.878



75, 22.367, 45.625



38, 71.138, 341.268



38, 15.491, 45.538



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



39, 71.657, 45.878



51, 87.968, 45.344



57, 62.444, 83.537



35, 3.147, 46.315



34, 64.616, 46.163



3, 6.566, 41.047

Inverse Universe

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



50, 34.478, 248.364



64, 42.288, 249.319



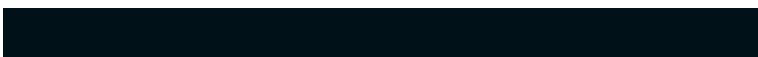
26, 81.699, 300.440



35, 2.986, 227.468



44, 31.134, 247.807



4, 6.397, 237.348

Previews

White Background



This preview shows how the CIELCh color 39, 71.660, 45.876 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, 71.660, 45.876 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, 71.660, 45.876

Background



This preview shows how black text looks on a background with the CIELCh color 39, 71.660, 45.876.



This preview shows how white text looks on a background with the CIELCh color 39, 71.660, 45.876.

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, 71.660, 45.876

Protanopia

39, 40.836, 95.239

Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 61.365, 31.589

Trichromacy



Original Color
39, 71.660, 45.876

Protanomaly
38, 46.289, 67.429

Deuteranomaly
38, 52.982, 63.720

Tritanomaly
39, 65.727, 38.573

Monochromacy



Original Color
39, 71.660, 45.876

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 25.636, 45.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 71.660, 45.876 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(172, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 45, 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(172, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 45, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 71.660, 45.876 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(172, 45, 0) }
```

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

```
.border{ border-color:rgb(172, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 45, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 45, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 45, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 71.660, 45.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 45, 0) }
```

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

```
.background{ background-color: rgb(172, 45,  
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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