

Converting Colors

CIELCh(39, 69.058, 47.694)

Have a look what the booklet for
CIELCh(39, 69.058, 47.694) contains.

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Color

CIELCh(39, 69.078, 47.549)

Conversions

Conversions Part 1

Format	Color
Hex	A83200
RGB	168, 50, 0
RGB Percent	66%, 20%, 0%
CMY	0.3401, 0.8029, 0.9992
CMYK	0.00, 0.70, 1.00, 0.34
HSL	18°, 100%, 33%
HSV	18°, 100%, 66%
XYZ	17.3611, 10.6589, 1.1482
YIQ	79.5820, 86.3780, 9.4660

Conversions

Conversions Part 2

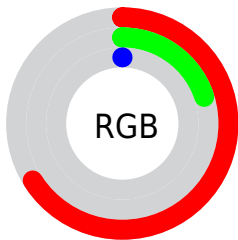
Format	Color
R_{YB}	168, 71, 0
Decimal	11022848
CIE _{Lab}	39.00, 46.62, 50.97
CIE _{LCh}	39, 69.078, 47.549
Yxy	10.6589, 0.5952, 0.3654
Android (android.graphics.Color)	4289212928 (0xFFA83200)
YUV	79.5820, -39.2339, 77.5426
Hunter-Lab	32.6480, 37.7863, 20.7685

Details

The CIELCh color **39, 69.078, 47.549** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **47, 35.607, 255.263**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.125, 47.352**, and **21, 52.640, 36.561** is the 20% darker color. If you saturate the color by 10%, you get **39, 69.160, 47.553**, and if you desaturate by 10%, it is **41, 62.597, 48.180**.

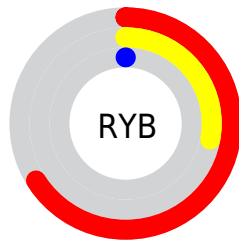
Distribution



Red (66%)

Green (20%)

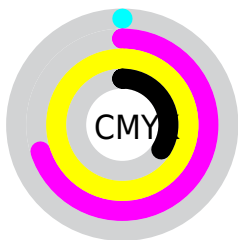
Blue (0%)



Red (66%)

Yellow (28%)

Blue (0%)

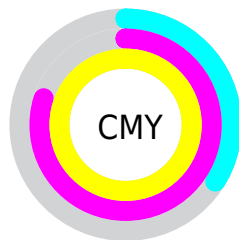


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 69.078, 47.549 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, 69.078, 47.549 by changing the saturation by 10% instead.

■ 39, 69.078, 47.549

■ 39, 69.078, 47.549

■ 100, 69.078,
47.549

■ 29, 69.078, 47.549

■ 59, 69.078, 47.549

■ 19, 69.078, 47.549

■ 69, 69.078, 47.549

■ 9, 69.078, 47.549

■ 79, 69.078, 47.549

■ 0, 69.078, 47.549

■ 89, 69.078, 47.549

■ 99, 69.078, 47.549

■ 39, 69.078, 47.549

■ 39, 69.078, 47.549

■ 39, 69.160, 47.553

■ 41, 62.597, 48.180

43, 55.072, 48.540

46, 46.989, 48.621

49, 38.973, 48.696

52, 31.302, 48.867

55, 24.090, 49.157

58, 17.366, 49.558

62, 11.120, 50.047

65, 5.322, 50.581

Harmonies

Complementary

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



39, 69.078, 47.549



47, 35.607, 255.263

Rectangle

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



39, 69.078, 47.549



39, 69.078, 97.549



39, 69.078, 227.549



39, 69.078, 277.549

Sweetspot

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



39, 69.076, 47.551



74, 21.685, 49.528



37, 68.428, 343.514



37, 15.004, 49.357



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



39, 69.076, 47.551



51, 84.823, 46.951



57, 62.160, 86.561



34, 3.043, 50.611



34, 62.621, 47.885



3, 5.437, 46.176

Inverse Universe

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



47, 35.607, 255.263



60, 43.775, 256.329



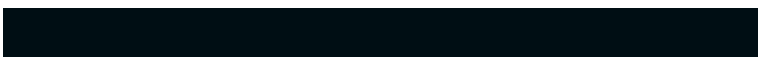
24, 83.528, 301.652



34, 2.897, 232.051



41, 32.253, 254.731



3, 5.413, 240.550

Previews

White Background



This preview shows how the CIELCh color 39, 69.078, 47.549 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, 69.078, 47.549 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, 69.078, 47.549

Background



This preview shows how black text looks on a background with the CIELCh color 39, 69.078, 47.549.



This preview shows how white text looks on a background with the CIELCh color 39, 69.078, 47.549.

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, 69.078, 47.549

Protanopia

39, 41.564, 95.265

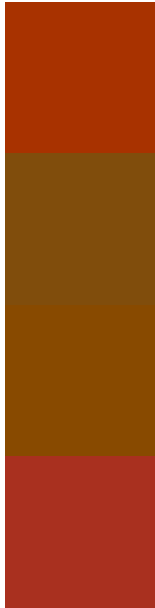
Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 57.000, 29.769

Trichromacy



Original Color
39, 69.078, 47.549

Protanomaly
38, 46.213, 68.833

Deuteranomaly
38, 52.406, 65.341

Tritanomaly
39, 61.851, 38.567

Monochromacy



Original Color
39, 69.078, 47.549

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 24.752, 48.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 69.078, 47.549 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(168, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 50, 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(168, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 50, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 69.078, 47.549 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(168, 50, 0) }
```

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

```
.border{ border-color:rgb(168, 50, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 69.078, 47.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 50, 0) }
```

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

```
.background{ background-color: rgb(168, 50,  
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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