

Converting Colors

CIELCh(39, 75.940, 36.994)

Have a look what the booklet for
CIELCh(39, 75.940, 36.994) contains.

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Color

CIELCh(39, 76.021, 36.961)

Conversions

Conversions Part 1

Format	Color
Hex	B81213
RGB	184, 18, 19
RGB Percent	72%, 7%, 7%
CMY	0.2787, 0.9297, 0.9257
CMYK	0.00, 0.90, 0.90, 0.28
HSL	360°, 82%, 40%
HSV	360°, 90%, 72%
XYZ	20.0845, 10.6589, 1.6129
YIQ	67.7480, 98.6150, 35.5030

Conversions

Conversions Part 2

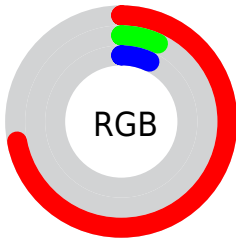
Format	Color
RYB	184, 18, 19
Decimal	12063251
CIELab	39.00, 60.74, 45.71
CIElCh	39, 76.021, 36.961
Yxy	10.6589, 0.6207, 0.3294
Android (android.graphics.Color)	4290253331 (0xFFB81213)
YUV	67.7480, -24.0328, 101.9530
Hunter-Lab	32.6480, 52.6758, 19.9246

Details

The CIELCh color **39, 76.021, 36.961** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **68, 38.723, 195.558**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 75.950, 36.974**, and **24, 58.472, 37.881** is the 20% darker color. If you saturate the color by 10%, you get **38, 81.526, 39.739**, and if you desaturate by 10%, it is **41, 68.451, 33.420**.

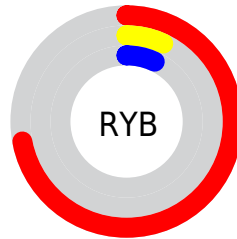
Distribution



Red (72%)

Green (7%)

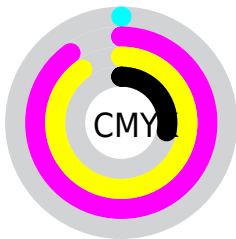
Blue (7%)



Red (72%)

Yellow (7%)

Blue (7%)

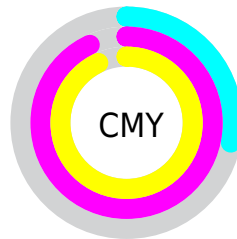


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (28%)



Cyan (28%)

Magenta (93%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 76.021, 36.961 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, 76.021, 36.961 by changing the saturation by 10% instead.

 39, 76.021, 36.961

 39, 76.021, 36.961

 100, 76.021,
36.961

 29, 76.021, 36.961

 59, 76.021, 36.961

 19, 76.021, 36.961

 69, 76.021, 36.961

 9, 76.021, 36.961

 79, 76.021, 36.961

 0, 76.021, 36.961

 89, 76.021, 36.961

 99, 76.021, 36.961

 39, 76.021, 36.961

 39, 76.021, 36.961

 38, 81.526, 39.739

 41, 68.451, 33.420

43, 59.683, 29.943

46, 50.427, 26.995

50, 41.079, 24.649

54, 31.930, 22.831

59, 23.183, 21.432

64, 14.953, 20.348

69, 7.286, 19.483

75, 0.178, 16.002

Harmonies

Complementary

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



39, 76.021, 36.961



68, 38.723, 195.558

Rectangle

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



39, 76.021, 36.961



39, 76.021, 86.961



39, 76.021, 216.961



39, 76.021, 266.961

Sweetspot

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



39, 76.018, 36.963



77, 25.389, 21.100



44, 88.361, 327.545



39, 17.310, 21.502



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



39, 76.018, 36.963



50, 99.530, 39.812



51, 62.368, 61.570



36, 4.003, 19.409



32, 71.631, 39.350



2, 10.639, 19.024

Inverse Universe

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



39, 76.018, 36.963



50, 99.530, 39.812



43, 49.409, 277.974



36, 4.003, 19.409



32, 71.631, 39.350



2, 10.639, 19.024

Previews

White Background



This preview shows how the CIELCh color 39, 76.021, 36.961 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, 76.021, 36.961 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, 76.021, 36.961

Background



This preview shows how black text looks on a background with the CIELCh color 39, 76.021, 36.961.



This preview shows how white text looks on a background with the CIELCh color 39, 76.021, 36.961.

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, 76.021, 36.961

Protanopia

40, 34.627, 95.695

Deuteranopia

40, 47.653, 84.655



Tritanopia
39, 77.576, 38.775

Trichromacy



Original Color
39, 76.021, 36.961

Protanomaly
36, 43.559, 52.810

Deuteranomaly
37, 54.303, 55.547

Tritanomaly
39, 76.898, 38.094

Monochromacy



Original Color
39, 76.021, 36.961

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 29.482, 25.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 76.021, 36.961 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(184, 18, 19)` looks like.

```
.text, #text, p{  
    color:rgb(184, 18, 19)  
}
```

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(184, 18, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 18, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 76.021, 36.961 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(184, 18, 19) }
```

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

```
.border{ border-color:rgb(184, 18, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 18, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 18, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 18, 19);  
box-shadow:4px 4px 4px 4px rgb(184, 18,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 76.021, 36.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 18, 19) }
```

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

```
.background{ background-color: rgb(184, 18,  
19) }
```

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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