

Converting Colors

CIELCh(49, 97.721, 39.659)

Have a look what the booklet for
CIELCh(49, 97.721, 39.659) contains.

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Color

CIELCh(49, 97.779, 39.609)

Conversions

Conversions Part 1

Format	Color
Hex	EB0003
RGB	235, 0, 3
RGB Percent	92%, 0%, 1%
CMY	0.0796, 1.0000, 0.9893
CMYK	0.00, 1.00, 0.99, 0.08
HSL	359°, 100%, 46%
HSV	359°, 100%, 92%
XYZ	34.1631, 17.5941, 1.6739
YIQ	70.6070, 139.0970, 50.7530

Conversions

Conversions Part 2

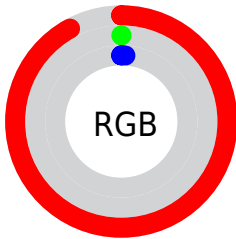
Format	Color
R_{YB}	235, 0, 3
Decimal	15400963
CIE _{Lab}	49.00, 75.33, 62.34
CIE _{LCh}	49, 97.779, 39.609
Yxy	17.5941, 0.6394, 0.3293
Android (android.graphics.Color)	4293591043 (0xFFEB0003)
YUV	70.6070, -33.3303, 144.1727
Hunter-Lab	41.9453, 71.9782, 26.9956

Details

The CIELCh color **49, 97.779, 39.609** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **85, 47.477, 194.586**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 79.447, 40.633**, and **35, 76.349, 39.859** is the 20% darker color. If you saturate the color by 10%, you get **49, 97.726, 39.642**, and if you desaturate by 10%, it is **50, 91.850, 37.089**.

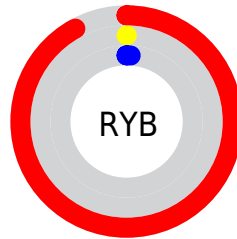
Distribution



Red (92%)

Green (0%)

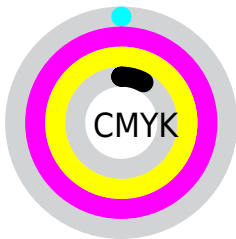
Blue (1%)



Red (92%)

Yellow (0%)

Blue (1%)

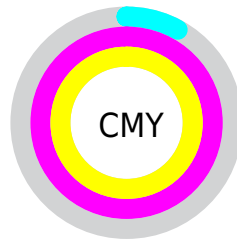


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (8%)



Cyan (8%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 97.779, 39.609 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 49, 97.779, 39.609 by changing the saturation by 10% instead.

 49, 97.779, 39.609

 49, 97.779, 39.609

 100, 97.779,
39.609

 39, 97.779, 39.609

 69, 97.779, 39.609

 29, 97.779, 39.609

 79, 97.779, 39.609

 19, 97.779, 39.609

 89, 97.779, 39.609

 9, 97.779, 39.609

 99, 97.779, 39.609

 0, 97.779, 39.609

 49, 97.779, 39.609

 49, 97.779, 39.609

 49, 97.726, 39.642

 50, 91.850, 37.089

 52, 82.872, 33.462

■ 55, 72.333, 29.862

■ 58, 61.141, 26.803

■ 63, 49.796, 24.371

■ 68, 38.667, 22.490

■ 74, 28.014, 21.046

■ 80, 17.989, 19.930

■ 87, 8.652, 19.038

Harmonies

Complementary

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



49, 97.779, 39.609



85, 47.477, 194.586

Rectangle

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



49, 97.779, 39.609



49, 97.779, 89.609



49, 97.779, 219.609



49, 97.779, 269.609

Sweetspot

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



49, 97.726, 39.642



80, 29.979, 21.063



55, 108.611, 327.565



40, 20.764, 21.631



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 97.726, 39.642



53, 104.111, 39.678



61, 80.910, 58.616



46, 4.904, 18.993



38, 80.317, 39.507



7, 28.484, 22.244

Inverse Universe

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



49, 97.726, 39.642



53, 104.111, 39.678



52, 66.569, 283.140



46, 4.904, 18.993



38, 80.317, 39.507



7, 28.484, 22.244

Previews

White Background



This preview shows how the CIELCh color 49, 97.779, 39.609 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 49, 97.779, 39.609 looks on a black 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

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

CIELCh 49, 97.779, 39.609

Background



This preview shows how black text looks on a background with the CIELCh color 49, 97.779, 39.609.



This preview shows how white text looks on a background with the CIELCh color 49, 97.779, 39.609.

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

49, 97.779, 39.609

Protanopia

50, 47.512, 95.729

Tritanopia

49, 96.285, 40.895

Trichromacy



Original Color
49, 97.779, 39.609

Protanomaly
44, 59.482, 53.139

Tritanomaly
49, 97.048, 40.354

Monochromacy



Original Color
49, 97.779, 39.609

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 41.351, 27.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 97.779, 39.609 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(235, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 3)  
}
```

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(235, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 97.779, 39.609 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(235, 0, 3) }
```

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

```
.border{ border-color:rgb(235, 0, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(235, 0, 3); box-shadow:4px  
4px 4px 4px rgb(235, 0, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 97.779, 39.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 3) }
```

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

```
.background{ background-color: rgb(235, 0,  
3) }
```

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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