

Converting Colors

CIELCh(49, 94.192, 41.472)

Have a look what the booklet for
CIELCh(49, 94.192, 41.472) contains.

CIELCh(49, 94.141, 41.510)	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>	25

Color

CIELCh(49, 94.141, 41.510)

Conversions

Conversions Part 1

Format	Color
Hex	E51E00
RGB	229, 30, 0
RGB Percent	90%, 12%, 0%
CMY	0.1018, 0.8821, 0.9999
CMYK	0.00, 0.87, 1.00, 0.10
HSL	8°, 100%, 45%
HSV	8°, 100%, 90%
XYZ	32.7884, 17.5941, 1.6685
YIQ	86.0810, 128.2340, 32.8580

Conversions

Conversions Part 2

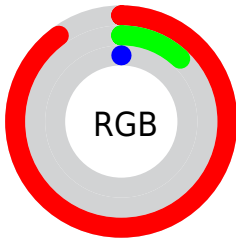
Format	Color
RYB	229, 35, 0
Decimal	15015424
CIELab	49.00, 70.50, 62.39
CIElCh	49, 94.141, 41.510
Yxy	17.5941, 0.6299, 0.3380
Android (android.graphics.Color)	4293205504 (0xFFE51E00)
YUV	86.0810, -42.4379, 125.3400
Hunter-Lab	41.9453, 66.1283, 27.0032

Details

The CIELCh color **49, 94.141, 41.510** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **74, 40.377, 221.024**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 78.086, 43.232**, and **34, 74.573, 39.772** is the 20% darker color. If you saturate the color by 10%, you get **49, 94.145, 41.513**, and if you desaturate by 10%, it is **51, 87.073, 40.579**.

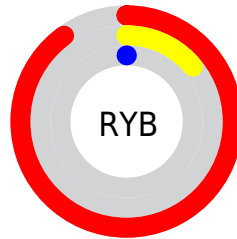
Distribution



Red (90%)

Green (12%)

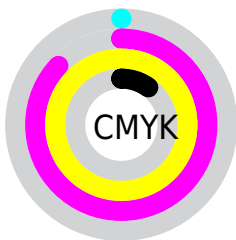
Blue (0%)



Red (90%)

Yellow (14%)

Blue (0%)

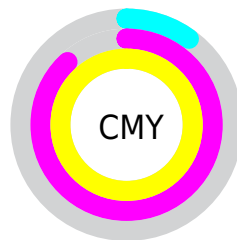


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (88%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 94.141, 41.510 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, 94.141, 41.510 by changing the saturation by 10% instead.

 49, 94.141, 41.510

 49, 94.141, 41.510

 100, 94.141,
41.510

 39, 94.141, 41.510

 69, 94.141, 41.510

 29, 94.141, 41.510

 79, 94.141, 41.510


 19, 94.141, 41.510

 89, 94.141, 41.510


 9, 94.141, 41.510

 99, 94.141, 41.510

 0, 94.141, 41.510

 49, 94.141, 41.510

 49, 94.141, 41.510

 49, 94.145, 41.513

 51, 87.073, 40.579

 53, 77.276, 38.923

■ 56, 66.298, 37.089

■ 60, 55.173, 35.487

■ 65, 44.374, 34.225

■ 70, 34.136, 33.290

■ 75, 24.568, 32.630

■ 80, 15.703, 32.185

■ 85, 7.525, 31.883

Harmonies

Complementary

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



49, 94.141, 41.510



74, 40.377, 221.024

Rectangle

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



49, 94.141, 41.510



49, 94.141, 91.510



49, 94.141, 221.510



49, 94.141, 271.510

Sweetspot

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



49, 94.138, 41.512



82, 26.835, 32.640



53, 97.117, 333.580



41, 18.633, 32.892



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, 94.138, 41.512



54, 102.258, 41.418



66, 76.226, 70.451



45, 4.276, 31.868



38, 77.804, 41.792



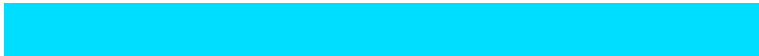
8, 24.723, 28.939

Inverse Universe

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



74, 40.377, 221.024



81, 43.780, 221.194



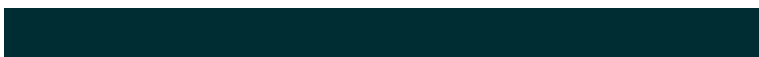
42, 84.201, 294.107



47, 4.022, 211.887



59, 33.537, 220.574



16, 14.224, 216.371

Previews

White Background



This preview shows how the CIELCh color 49, 94.141, 41.510 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, 94.141, 41.510 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, 94.141, 41.510

Background



This preview shows how black text looks on a background with the CIELCh color 49, 94.141, 41.510.



This preview shows how white text looks on a background with the CIELCh color 49, 94.141, 41.510.

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, 94.141, 41.510

Protanopia

49, 47.856, 95.686

Tritanopia

49, 89.764, 37.818

Trichromacy



Original Color
49, 94.141, 41.510

Protanomaly
46, 57.638, 59.682

Tritanomaly
49, 91.697, 39.460

Monochromacy



Original Color
49, 94.141, 41.510

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 36.328, 35.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 94.141, 41.510 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(229, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 30, 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(229, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 30, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 94.141, 41.510 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(229, 30, 0) }
```

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

```
.border{ border-color:rgb(229, 30, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 30, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 30, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 94.141, 41.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 30, 0) }
```

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

```
.background{ background-color: rgb(229, 30,  
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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