

Converting Colors

CIELCh(49, 93.223, 36.645)

Have a look what the booklet for
CIELCh(49, 93.223, 36.645) contains.

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Color

CIELCh(49, 93.267, 36.574)

Conversions

Conversions Part 1

Format	Color
Hex	EA0418
RGB	234, 4, 24
RGB Percent	92%, 2%, 9%
CMY	0.0835, 0.9840, 0.9067
CMYK	0.00, 0.98, 0.90, 0.08
HSL	355°, 97%, 47%
HSV	355°, 98%, 92%
XYZ	34.0396, 17.5941, 2.4541
YIQ	75.0500, 130.6600, 54.9800

Conversions

Conversions Part 2

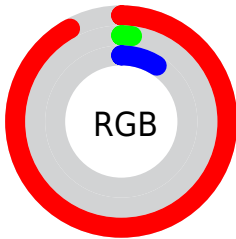
Format	Color
RYB	234, 4, 24
Decimal	15336472
CIELab	49.00, 74.90, 55.57
CIElCh	49, 93.267, 36.574
Yxy	17.5941, 0.6293, 0.3253
Android (android.graphics.Color)	4293526552 (0xFFEA0418)
YUV	75.0500, -25.1676, 139.3991
Hunter-Lab	41.9453, 71.4530, 25.8928

Details

The CIELCh color **49, 93.267, 36.574** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **84, 50.621, 184.128**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 75.249, 36.584**, and **35, 76.349, 39.859** is the 20% darker color. If you saturate the color by 10%, you get **49, 94.311, 37.156**, and if you desaturate by 10%, it is **50, 86.193, 32.344**.

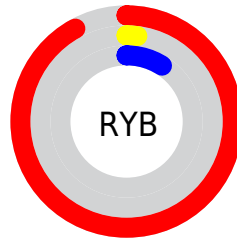
Distribution



Red (92%)

Green (2%)

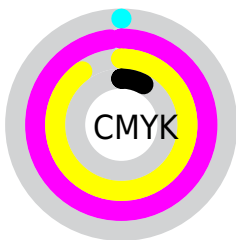
Blue (9%)



Red (92%)

Yellow (2%)

Blue (9%)

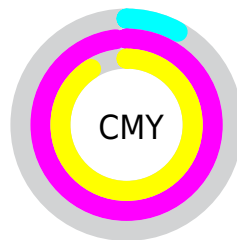


Cyan (0%)

Magenta (98%)

Yellow (90%)

Black (8%)



Cyan (8%)

Magenta (98%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 93.267, 36.574 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, 93.267, 36.574 by changing the saturation by 10% instead.

 49, 93.267, 36.574

 49, 93.267, 36.574

 100, 93.267,
36.574

 39, 93.267, 36.574

 69, 93.267, 36.574

 29, 93.267, 36.574

 79, 93.267, 36.574

 19, 93.267, 36.574

 89, 93.267, 36.574

 9, 93.267, 36.574

 99, 93.267, 36.574

 0, 93.267, 36.574

 49, 93.267, 36.574

 49, 93.267, 36.574

 49, 94.311, 37.156

 50, 86.193, 32.344

 52, 77.496, 27.960

■ 55, 67.783, 24.123

■ 59, 57.424, 21.005

■ 64, 46.787, 18.548

■ 69, 36.220, 16.628

■ 75, 25.989, 15.116

■ 81, 16.259, 13.905

■ 87, 7.109, 12.890

Harmonies

Complementary

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



49, 93.267, 36.574



84, 50.621, 184.128

Rectangle

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



49, 93.267, 36.574



49, 93.267, 86.574



49, 93.267, 216.574



49, 93.267, 266.574

Sweetspot

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



49, 93.264, 36.576



81, 28.707, 15.236



52, 108.574, 324.344



40, 19.951, 15.854



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, 93.264, 36.576



53, 100.977, 37.342



58, 83.119, 52.909



46, 4.927, 13.009



38, 77.261, 36.479



7, 28.199, 19.213

Inverse Universe

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



49, 93.264, 36.576



53, 100.977, 37.342



57, 54.999, 272.314



46, 4.927, 13.009



38, 77.261, 36.479



7, 28.199, 19.213

Previews

White Background



This preview shows how the CIELCh color 49, 93.267, 36.574 looks on a white background.

Color Contrast Check

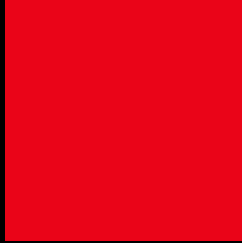
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.267, 36.574 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, 93.267, 36.574

Background



This preview shows how black text looks on a background with the CIELCh color 49, 93.267, 36.574.



This preview shows how white text looks on a background with the CIELCh color 49, 93.267, 36.574.

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, 93.318, 36.537

Protanopia

50, 41.587, 95.391

Deuteranopia

49, 56.261, 83.944



Tritanopia
49, 96.049, 40.844

Trichromacy



Original Color
49, 93.318, 36.537

Protanomaly
44, 53.718, 48.947

Deuteranomaly
45, 66.818, 52.281

Tritanomaly
49, 95.318, 39.387

Monochromacy



Original Color
49, 93.318, 36.537

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 39.460, 21.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 93.267, 36.574 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(234, 4, 24)` looks like.

```
.text, #text, p{  
    color:rgb(234, 4, 24)  
}
```

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(234, 4, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 4, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 93.267, 36.574 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(234, 4, 24) }
```

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

```
.border{ border-color:rgb(234, 4, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 4, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 4, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 4, 24);  
box-shadow:4px 4px 4px 4px rgb(234, 4, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 93.267, 36.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 4, 24) }
```

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

```
.background{ background-color: rgb(234, 4,  
24) }
```

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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