

Converting Colors

CIELCh(49, 91.374, 34.181)

Have a look what the booklet for
CIELCh(49, 91.374, 34.181) contains.

CIELCh(49, 91.314, 34.298)	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, 91.314, 34.298)

Conversions

Conversions Part 1

Format	Color
Hex	EA0021
RGB	234, 0, 33
RGB Percent	92%, 0%, 13%
CMY	0.0825, 1.0000, 0.8707
CMYK	0.00, 1.00, 0.86, 0.08
HSL	352°, 100%, 46%
HSV	352°, 100%, 92%
XYZ	34.1936, 17.5941, 3.0310
YIQ	73.7280, 128.8710, 59.8710

Conversions

Conversions Part 2

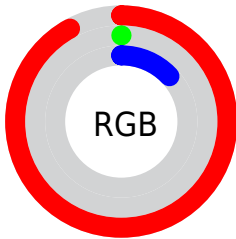
Format	Color
RYB	234, 0, 33
Decimal	15335457
CIELab	49.00, 75.44, 51.46
CIElCh	49, 91.314, 34.298
Yxy	17.5941, 0.6238, 0.3210
Android (android.graphics.Color)	4293525537 (0xFFEA0021)
YUV	73.7280, -20.0789, 140.5585
Hunter-Lab	41.9453, 72.1082, 25.0774

Details

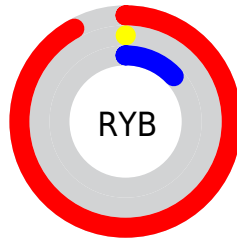
The CIELCh color **49, 91.314, 34.298** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **83, 54.249, 177.022**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 73.367, 33.469**, and **35, 76.349, 39.859** is the 20% darker color. If you saturate the color by 10%, you get **49, 91.308, 34.302**, and if you desaturate by 10%, it is **50, 84.685, 29.479**.

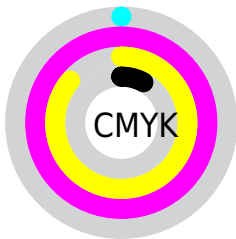
Distribution



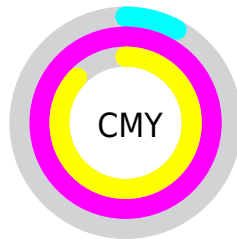
- Red (92%)
- Green (0%)
- Blue (13%)



- Red (92%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 91.314, 34.298 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, 91.314, 34.298 by changing the saturation by 10% instead.

 49, 91.314, 34.298

 49, 91.314, 34.298

 100, 91.314,
34.298

 39, 91.314, 34.298

 69, 91.314, 34.298

 29, 91.314, 34.298

 79, 91.314, 34.298

 19, 91.314, 34.298

 89, 91.314, 34.298

 9, 91.314, 34.298

 99, 91.314, 34.298

 0, 91.314, 34.298

 49, 91.314, 34.298

 49, 91.314, 34.298

 49, 91.308, 34.302

 50, 84.685, 29.479

 52, 76.938, 24.722

■ 55, 68.132, 20.652

■ 59, 58.473, 17.366

■ 63, 48.299, 14.775

■ 69, 37.982, 12.734

■ 74, 27.830, 11.111

■ 80, 18.052, 9.794

■ 86, 8.762, 8.687

Harmonies

Complementary

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



49, 91.314, 34.298



83, 54.249, 177.022

Rectangle

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



49, 91.314, 34.298



49, 91.314, 84.298



49, 91.314, 214.298



49, 91.314, 264.298

Sweetspot

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



49, 91.308, 34.302



80, 29.853, 11.131



50, 109.635, 322.414



40, 20.581, 11.778



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, 91.308, 34.302



53, 97.709, 34.540



56, 86.666, 49.504



46, 4.980, 8.631



38, 74.665, 33.442



7, 28.036, 16.925

Inverse Universe

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



49, 91.308, 34.302



53, 97.709, 34.540



60, 50.557, 265.692



46, 4.980, 8.631



38, 74.665, 33.442



7, 28.036, 16.925

Previews

White Background



This preview shows how the CIELCh color 49, 91.314, 34.298 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, 91.314, 34.298 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, 91.314, 34.298

Background



This preview shows how black text looks on a background with the CIELCh color 49, 91.314, 34.298.



This preview shows how white text looks on a background with the CIELCh color 49, 91.314, 34.298.

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, 91.314, 34.298

Protanopia

50, 36.155, 95.606

Tritanopia

49, 96.374, 40.836

Trichromacy



Original Color
49, 91.314, 34.298

Protanomaly
44, 50.247, 43.625

Tritanomaly
49, 94.962, 38.919

Monochromacy



Original Color
49, 91.314, 34.298

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 39.381, 17.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 91.314, 34.298 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, 0, 33)` looks like.

```
.text, #text, p{  
  color:rgb(234, 0, 33)  
}
```

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, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 91.314, 34.298 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, 0, 33) }
```

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

```
.border{ border-color:rgb(234, 0, 33) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 91.314, 34.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 33) }
```

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

```
.background{ background-color: rgb(234, 0,  
33) }
```

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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