

Converting Colors

CIELCh(49, 82.336, 34.794)

Have a look what the booklet for
CIELCh(49, 82.336, 34.794) contains.

CIELCh(49, 82.410, 34.838)	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>	26

Color

CIELCh(49, 82.410, 34.838)

Conversions

Conversions Part 1

Format	Color
Hex	E02828
RGB	224, 40, 40
RGB Percent	88%, 16%, 16%
CMY	0.1204, 0.8416, 0.8423
CMYK	0.00, 0.82, 0.82, 0.12
HSL	0°, 75%, 52%
HSV	0°, 82%, 88%
XYZ	31.9936, 17.5941, 3.7363
YIQ	95.0160, 109.6640, 39.0080

Conversions

Conversions Part 2

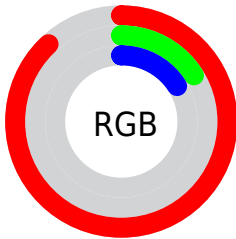
Format	Color
R_{YB}	224, 40, 40
Decimal	14690344
CIE _{Lab}	49.00, 67.64, 47.08
CIE _{LCh}	49, 82.410, 34.838
Yxy	17.5941, 0.6000, 0.3299
Android (android.graphics.Color)	4292880424 (0xFFE02828)
YUV	95.0160, -27.1229, 113.1190
Hunter-Lab	41.9453, 62.7458, 24.0804

Details

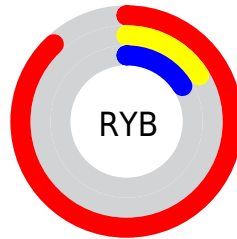
The CIELCh color **49, 82.410, 34.838** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **81, 43.735, 196.624**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 68.392, 34.994**, and **33, 73.130, 39.686** is the 20% darker color. If you saturate the color by 10%, you get **47, 90.574, 38.142**, and if you desaturate by 10%, it is **52, 72.322, 31.291**.

Distribution



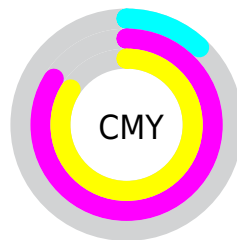
- Red (88%)
- Green (16%)
- Blue (16%)



- Red (88%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (12%)



- Cyan (12%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 82.410, 34.838 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, 82.410, 34.838 by changing the saturation by 10% instead.

 49, 82.410, 34.838

 49, 82.410, 34.838

 100, 82.410,
34.838

 39, 82.410, 34.838

 69, 82.410, 34.838

 29, 82.410, 34.838

 79, 82.410, 34.838

 19, 82.410, 34.838

 89, 82.410, 34.838

 9, 82.410, 34.838

 99, 82.410, 34.838

 0, 82.410, 34.838

 49, 82.410, 34.838

 49, 82.410, 34.838

 47, 90.574, 38.142

 52, 72.322, 31.291

 47, 94.903, 40.008

 55, 61.469, 28.180

60, 50.415, 25.678

65, 39.540, 23.739

70, 29.112, 22.254

76, 19.290, 21.115

82, 10.143, 20.222

88, 1.674, 19.253

94, 6.153, 199.188

Harmonies

Complementary

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



49, 82.410, 34.838



81, 43.735, 196.624

Rectangle

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



49, 82.410, 34.838



49, 82.410, 84.838



49, 82.410, 214.838



49, 82.410, 264.838

Sweetspot

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



49, 82.407, 34.840



83, 24.537, 21.438



55, 99.468, 328.055



42, 16.967, 21.839



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, 82.407, 34.840



53, 103.540, 39.601



64, 67.130, 64.453



44, 4.723, 20.013



36, 79.100, 39.964



6, 25.523, 20.987

Inverse Universe

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



81, 43.735, 196.624



91, 49.942, 196.545



54, 54.591, 276.608



46, 4.450, 199.056



65, 37.886, 196.538



17, 15.566, 196.513

Previews

White Background



This preview shows how the CIELCh color 49, 82.410, 34.838 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, 82.410, 34.838 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, 82.410, 34.838

Background



This preview shows how black text looks on a background with the CIELCh color 49, 82.410, 34.838.



This preview shows how white text looks on a background with the CIELCh color 49, 82.410, 34.838.

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, 82.410, 34.838

Protanopia

49, 33.004, 95.954

Deuteranopia

49, 51.159, 82.733



Tritanopia
49, 82.529, 35.275

Trichromacy



Original Color
49, 82.410, 34.838

Protanomaly
46, 43.790, 50.878

Deuteranomaly
47, 58.264, 54.743

Tritanomaly
49, 82.529, 35.275

Monochromacy



Original Color
49, 82.410, 34.838

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 30.926, 24.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 82.410, 34.838 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(224, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(224, 40, 40)  
}
```

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(224, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 40, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 82.410, 34.838 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(224, 40, 40) }
```

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

```
.border{ border-color:rgb(224, 40, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 40, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 40, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 40, 40);  
box-shadow:4px 4px 4px 4px rgb(224, 40,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 82.410, 34.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 40, 40) }
```

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

```
.background{ background-color: rgb(224, 40,  
40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor