

Converting Colors

CIELCh(49, 82.184, 34.689)

Have a look what the booklet for
CIELCh(49, 82.184, 34.689) contains.

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Color

CIELCh(49, 81.990, 34.677)

Conversions

Conversions Part 1

Format	Color
Hex	E02929
RGB	224, 41, 41
RGB Percent	88%, 16%, 16%
CMY	0.1216, 0.8391, 0.8392
CMYK	0.00, 0.82, 0.82, 0.12
HSL	0°, 75%, 52%
HSV	0°, 82%, 88%
XYZ	31.9347, 17.5941, 3.8108
YIQ	95.7170, 109.0680, 38.7960

Conversions

Conversions Part 2

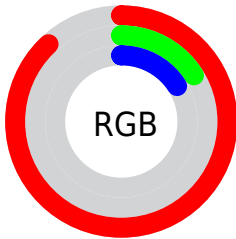
Format	Color
RYB	224, 41, 41
Decimal	14690601
CIELab	49.00, 67.43, 46.65
CIElCh	49, 81.990, 34.677
Yxy	17.5941, 0.5987, 0.3298
Android (android.graphics.Color)	4292880681 (0xFFE02929)
YUV	95.7170, -26.9755, 112.5042
Hunter-Lab	41.9453, 62.4954, 23.9751

Details

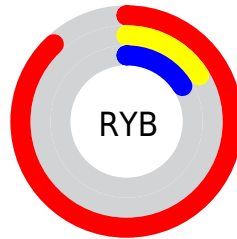
The CIELCh color **49, 81.990, 34.677** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **81, 43.675, 196.512**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 68.135, 34.602**, and **33, 73.493, 39.709** is the 20% darker color. If you saturate the color by 10%, you get **47, 90.243, 38.024**, and if you desaturate by 10%, it is **52, 71.876, 31.127**.

Distribution



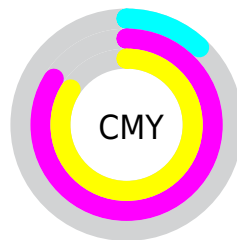
- Red (88%)
- Green (16%)
- Blue (16%)



- 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, 81.990, 34.677 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, 81.990, 34.677 by changing the saturation by 10% instead.

 49, 81.990, 34.677	 49, 81.990, 34.677
 100, 81.990, 34.677	 39, 81.990, 34.677
 69, 81.990, 34.677	 29, 81.990, 34.677
 79, 81.990, 34.677	 19, 81.990, 34.677
 89, 81.990, 34.677	 9, 81.990, 34.677
 99, 81.990, 34.677	 0, 81.990, 34.677

 49, 81.990, 34.677	 49, 81.990, 34.677
 47, 90.243, 38.024	 52, 71.876, 31.127
 47, 94.818, 40.001	 55, 61.022, 28.029

60, 49.979, 25.543

65, 39.125, 23.617

70, 28.722, 22.142

76, 18.929, 21.011

82, 9.810, 20.122

88, 1.368, 19.079

94, 6.435, 199.091

Harmonies

Complementary

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



49, 81.990, 34.677



81, 43.675, 196.512

Rectangle

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



49, 81.990, 34.677



49, 81.990, 84.677



49, 81.990, 214.677



49, 81.990, 264.677

Sweetspot

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



49, 81.987, 34.679



83, 24.558, 21.373



55, 99.165, 328.048



42, 16.981, 21.774



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, 81.987, 34.679



53, 103.550, 39.594



64, 66.770, 64.524



44, 4.728, 19.942



36, 79.112, 39.954



6, 25.539, 20.944

Inverse Universe

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



81, 43.675, 196.512



91, 50.005, 196.409



55, 54.290, 276.441



46, 4.454, 198.980



65, 37.934, 196.403



17, 15.583, 196.400

Previews

White Background



This preview shows how the CIELCh color 49, 81.990, 34.677 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, 81.990, 34.677 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, 81.990, 34.677

Background



This preview shows how black text looks on a background with the CIELCh color 49, 81.990, 34.677.



This preview shows how white text looks on a background with the CIELCh color 49, 81.990, 34.677.

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, 81.990, 34.677

Protanopia

49, 32.478, 95.881

Deuteranopia

49, 50.539, 82.573



Tritanopia
49, 82.259, 34.978

Trichromacy



Original Color
49, 81.990, 34.677

Protanomaly
46, 43.415, 50.367

Deuteranomaly
47, 57.469, 54.749

Tritanomaly
49, 82.259, 34.978

Monochromacy



Original Color
49, 81.990, 34.677

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 30.859, 24.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 81.990, 34.677 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, 41, 41)` looks like.

```
.text, #text, p{  
    color:rgb(224, 41, 41)  
}
```

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, 41, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 41, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 81.990, 34.677 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, 41, 41) }
```

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

```
.border{ border-color:rgb(224, 41, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 41, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 41, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 41, 41);  
box-shadow:4px 4px 4px 4px rgb(224, 41,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 81.990, 34.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 41, 41) }
```

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

```
.background{ background-color: rgb(224, 41,  
41) }
```

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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