

Converting Colors

CIELCh(49, 85.999, 36.614)

Have a look what the booklet for
CIELCh(49, 85.999, 36.614) contains.

CIELCh(49, 85.840, 36.613)	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, 85.840, 36.613)

Conversions

Conversions Part 1

Format	Color
Hex	E22420
RGB	226, 36, 32
RGB Percent	89%, 14%, 13%
CMY	0.1128, 0.8575, 0.8738
CMYK	0.00, 0.84, 0.86, 0.11
HSL	1°, 77%, 51%
HSV	1°, 86%, 89%
XYZ	32.3432, 17.5941, 3.0701
YIQ	92.3540, 114.5240, 39.0360

Conversions

Conversions Part 2

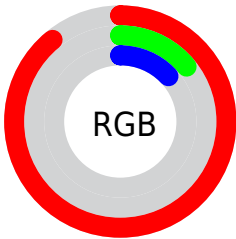
Format	Color
R_{YB}	226, 36, 32
Decimal	14820384
CIE Lab	49.00, 68.90, 51.20
CIE LCh	49, 85.840, 36.613
Yxy	17.5941, 0.6102, 0.3319
Android (android.graphics.Color)	4293010464 (0xFFE22420)
YUV	92.3540, -29.7545, 117.2075
Hunter-Lab	41.9453, 64.2338, 25.0221

Details

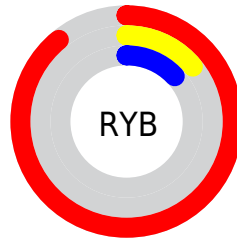
The CIELCh color **49, 85.840, 36.613** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **81, 43.438, 199.483**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 71.016, 37.296**, and **33, 73.854, 39.731** is the 20% darker color. If you saturate the color by 10%, you get **48, 93.041, 39.239**, and if you desaturate by 10%, it is **51, 76.027, 33.316**.

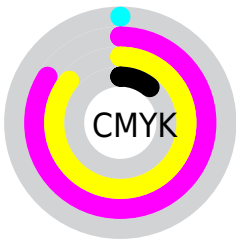
Distribution



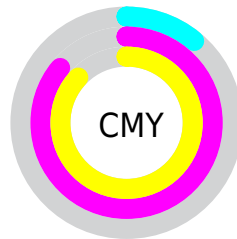
- Red (89%)
- Green (14%)
- Blue (13%)



- Red (89%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (86%)
- Black (11%)



- Cyan (11%)
- Magenta (86%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 85.840, 36.613 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, 85.840, 36.613 by changing the saturation by 10% instead.

 49, 85.840, 36.613

 49, 85.840, 36.613

 100, 85.840,
36.613

 39, 85.840, 36.613

 69, 85.840, 36.613

 29, 85.840, 36.613

 79, 85.840, 36.613

 19, 85.840, 36.613

 89, 85.840, 36.613

 9, 85.840, 36.613

 99, 85.840, 36.613

 0, 85.840, 36.613

 49, 85.840, 36.613

 49, 85.840, 36.613

 48, 93.041, 39.239

 51, 76.027, 33.316

 47, 95.259, 40.175

 55, 65.201, 30.248

■ 59, 54.087, 27.714

■ 64, 43.106, 25.730

■ 69, 32.545, 24.211

■ 74, 22.576, 23.054

■ 80, 13.281, 22.164

■ 86, 4.673, 21.418

■ 93, 3.278, 201.227

Harmonies

Complementary

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



49, 85.840, 36.613



81, 43.438, 199.483

Rectangle

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



49, 85.840, 36.613



49, 85.840, 86.613



49, 85.840, 216.613



49, 85.840, 266.613

Sweetspot

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



49, 85.837, 36.615



83, 25.128, 23.093



55, 100.686, 328.714



42, 17.265, 23.466



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, 85.837, 36.615



53, 104.318, 40.151



64, 70.104, 65.167



44, 4.628, 21.691



37, 78.816, 40.202



6, 25.163, 21.997

Inverse Universe

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



81, 43.438, 199.483



90, 48.600, 199.864



53, 59.140, 279.971



46, 4.358, 200.869



64, 36.818, 199.782



17, 15.196, 199.214

Previews

White Background



This preview shows how the CIELCh color 49, 85.840, 36.613 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, 85.840, 36.613 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, 85.840, 36.613

Background



This preview shows how black text looks on a background with the CIELCh color 49, 85.840, 36.613.



This preview shows how white text looks on a background with the CIELCh color 49, 85.840, 36.613.

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, 85.840, 36.613

Protanopia

49, 37.688, 95.712

Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 85.316, 36.090

Trichromacy



Original Color
49, 85.840, 36.613

Protanomaly
46, 47.759, 53.971

Deuteranomaly
46, 62.712, 57.384

Tritanomaly
49, 85.579, 36.354

Monochromacy



Original Color
49, 85.840, 36.613

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 32.207, 25.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 85.840, 36.613 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(226, 36, 32)` looks like.

```
.text, #text, p{  
    color:rgb(226, 36, 32)  
}
```

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(226, 36, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 36, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 85.840, 36.613 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(226, 36, 32) }
```

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

```
.border{ border-color:rgb(226, 36, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 36, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 36, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 36, 32);  
box-shadow:4px 4px 4px 4px rgb(226, 36,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 85.840, 36.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 36, 32) }
```

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

```
.background{ background-color: rgb(226, 36,  
32) }
```

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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