

Converting Colors

CIELCh(49, 91.935, 35.465)

Have a look what the booklet for
CIELCh(49, 91.935, 35.465) contains.

CIELCh(49, 91.721, 35.431)	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, 91.721, 35.431)

Conversions

Conversions Part 1

Format	Color
Hex	E9061D
RGB	233, 6, 29
RGB Percent	91%, 2%, 11%
CMY	0.0851, 0.9763, 0.8854
CMYK	0.00, 0.97, 0.87, 0.09
HSL	354°, 95%, 47%
HSV	354°, 97%, 91%
XYZ	33.9919, 17.5941, 2.7806
YIQ	76.4950, 127.9090, 55.2770

Conversions

Conversions Part 2

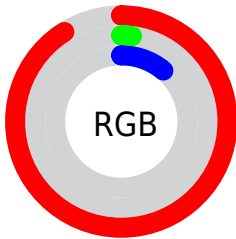
Format	Color
RYB	233, 6, 29
Decimal	15271453
CIELab	49.00, 74.74, 53.17
CIElCh	49, 91.721, 35.431
Yxy	17.5941, 0.6252, 0.3236
Android (android.graphics.Color)	4293461533 (0xFFE9061D)
YUV	76.4950, -23.4150, 137.2549
Hunter-Lab	41.9453, 71.2499, 25.4313

Details

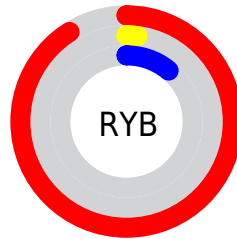
The CIELCh color **49, 91.721, 35.431** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **84, 51.364, 182.144**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 74.168, 35.204**, and **34, 75.996, 39.844** is the 20% darker color. If you saturate the color by 10%, you get **49, 93.339, 36.411**, and if you desaturate by 10%, it is **50, 84.547, 30.907**.

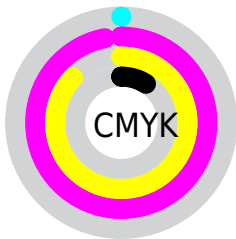
Distribution



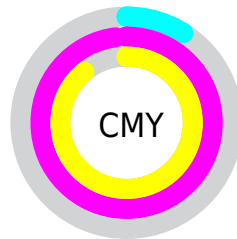
- Red (91%)
- Green (2%)
- Blue (11%)



- Red (91%)
- Yellow (2%)
- Blue (11%)



- Cyan (0%)
- Magenta (97%)
- Yellow (87%)
- Black (9%)



- Cyan (9%)
- Magenta (98%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 91.721, 35.431 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, 91.721, 35.431 by changing the saturation by 10% instead.

 49, 91.721, 35.431

 49, 91.721, 35.431

 100, 91.721,
35.431

 39, 91.721, 35.431

 69, 91.721, 35.431

 29, 91.721, 35.431

 79, 91.721, 35.431

 19, 91.721, 35.431

 89, 91.721, 35.431

 9, 91.721, 35.431

 99, 91.721, 35.431

 0, 91.721, 35.431

 49, 91.721, 35.431

 49, 91.721, 35.431

 49, 93.339, 36.411

 50, 84.547, 30.907

 52, 75.969, 26.462

■ 55, 66.417, 22.648

■ 59, 56.208, 19.572

■ 64, 45.704, 17.153

■ 70, 35.253, 15.256

■ 75, 25.118, 13.754

■ 82, 15.464, 12.542

■ 88, 6.369, 11.513

Harmonies

Complementary

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



49, 91.721, 35.431



84, 51.364, 182.144

Rectangle

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



49, 91.721, 35.431



49, 91.721, 85.431



49, 91.721, 215.431



49, 91.721, 265.431

Sweetspot

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



49, 91.718, 35.433



81, 28.711, 13.991



51, 108.429, 323.742



40, 19.942, 14.617



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, 91.718, 35.433



53, 100.085, 36.619



57, 83.236, 51.996



46, 4.940, 11.719



38, 76.534, 35.678



7, 28.147, 18.546

Inverse Universe

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



49, 91.718, 35.433



53, 100.085, 36.619



59, 52.757, 269.514



46, 4.940, 11.719



38, 76.534, 35.678



7, 28.147, 18.546

Previews

White Background



This preview shows how the CIELCh color 49, 91.721, 35.431 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, 91.721, 35.431 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, 91.721, 35.431

Background



This preview shows how black text looks on a background with the CIELCh color 49, 91.721, 35.431.



This preview shows how white text looks on a background with the CIELCh color 49, 91.721, 35.431.

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, 91.670, 35.470

Protanopia

50, 38.645, 95.846

Deuteranopia

49, 56.261, 83.944



Tritanopia
49, 96.049, 40.844

Trichromacy



Original Color
49, 91.670, 35.470

Protanomaly
44, 51.552, 47.092

Deuteranomaly
45, 66.431, 51.994

Tritanomaly
49, 94.601, 39.179

Monochromacy



Original Color
49, 91.670, 35.470

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 38.612, 19.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 91.721, 35.431 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(233, 6, 29)` looks like.

```
.text, #text, p{  
    color:rgb(233, 6, 29)  
}
```

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(233, 6, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 6, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 91.721, 35.431 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(233, 6, 29) }
```

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

```
.border{ border-color:rgb(233, 6, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 6, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 6, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 6, 29);  
box-shadow:4px 4px 4px 4px rgb(233, 6, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 91.721, 35.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 6, 29) }
```

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

```
.background{ background-color: rgb(233, 6,  
29) }
```

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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