

Converting Colors

CIELCh(48, 89.894, 34.732)

Have a look what the booklet for
CIELCh(48, 89.894, 34.732) contains.

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Color

CIELCh(48, 89.947, 34.691)

Conversions

Conversions Part 1

Format	Color
Hex	E5031F
RGB	229, 3, 31
RGB Percent	90%, 1%, 12%
CMY	0.1024, 0.9895, 0.8787
CMYK	0.00, 0.99, 0.86, 0.10
HSL	353°, 98%, 45%
HSV	353°, 99%, 90%
XYZ	32.5507, 16.7945, 2.8169
YIQ	73.7660, 125.7080, 56.6200

Conversions

Conversions Part 2

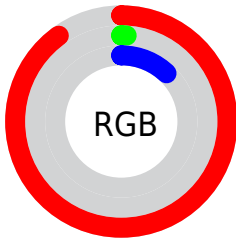
Format	Color
RYB	229, 3, 31
Decimal	15008543
CIELab	48.00, 73.96, 51.19
CIELCh	48, 89.947, 34.691
Yxy	16.7945, 0.6240, 0.3220
Android (android.graphics.Color)	4293198623 (0xFFE5031F)
YUV	73.7660, -21.0836, 136.1402
Hunter-Lab	40.9810, 70.0634, 24.6114

Details

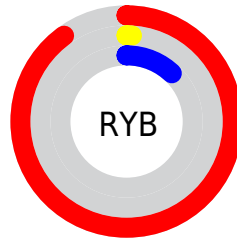
The CIELCh color **48, 89.947, 34.691** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **82, 52.150, 179.139**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 73.879, 34.198**, and **34, 74.573, 39.772** is the 20% darker color. If you saturate the color by 10%, you get **48, 90.679, 35.169**, and if you desaturate by 10%, it is **49, 83.182, 29.978**.

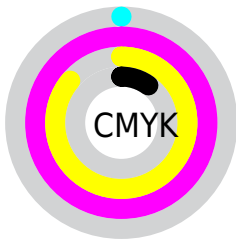
Distribution



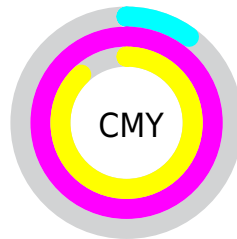
- Red (90%)
- Green (1%)
- Blue (12%)



- Red (90%)
- Yellow (1%)
- Blue (12%)



- Cyan (0%)
- Magenta (99%)
- Yellow (86%)
- Black (10%)



- Cyan (10%)
- Magenta (99%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 89.947, 34.691 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 48, 89.947, 34.691 by changing the saturation by 10% instead.

 48, 89.947, 34.691

 48, 89.947, 34.691

 100, 89.947,
34.691

 38, 89.947, 34.691

 68, 89.947, 34.691

 28, 89.947, 34.691

 78, 89.947, 34.691

 18, 89.947, 34.691

 88, 89.947, 34.691

 8, 89.947, 34.691

 98, 89.947, 34.691

 0, 89.947, 34.691

 48, 89.947, 34.691

 48, 89.947, 34.691

 48, 90.679, 35.169

 49, 83.182, 29.978

 51, 75.199, 25.363

■ 54, 66.212, 21.415

■ 58, 56.473, 18.230

■ 63, 46.324, 15.720

■ 68, 36.122, 13.746

■ 73, 26.149, 12.178

■ 79, 16.590, 10.907

■ 85, 7.541, 9.834

Harmonies

Complementary

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



48, 89.947, 34.691



82, 52.150, 179.139

Rectangle

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



48, 89.947, 34.691



48, 89.947, 84.691



48, 89.947, 214.691



48, 89.947, 264.691

Sweetspot

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



48, 89.944, 34.693



80, 29.815, 12.370



49, 107.356, 323.081



40, 20.567, 13.012



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 89.944, 34.693



53, 98.720, 35.454



55, 83.643, 50.708



45, 4.873, 9.899



37, 74.617, 34.363



6, 26.770, 16.577

Inverse Universe

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



48, 89.944, 34.693



53, 98.720, 35.454



58, 50.863, 267.669



45, 4.873, 9.899



37, 74.617, 34.363



6, 26.770, 16.577

Previews

White Background



This preview shows how the CIELCh color 48, 89.947, 34.691 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 48, 89.947, 34.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 89.947, 34.691

Background



This preview shows how black text looks on a background with the CIELCh color 48, 89.947, 34.691.



This preview shows how white text looks on a background with the CIELCh color 48, 89.947, 34.691.

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

48, 89.947, 34.691

Protanopia

49, 36.633, 96.300

Tritanopia

48, 94.747, 40.878

Trichromacy



Original Color
48, 89.947, 34.691

Protanomaly
43, 49.955, 45.467

Tritanomaly
48, 93.404, 39.052

Monochromacy



Original Color
48, 89.947, 34.691

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 38.249, 18.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 89.947, 34.691 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(229, 3, 31)` looks like.

```
.text, #text, p{  
    color:rgb(229, 3, 31)  
}
```

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(229, 3, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 3, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 89.947, 34.691 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(229, 3, 31) }
```

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

```
.border{ border-color:rgb(229, 3, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 3, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 3, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 3, 31);  
box-shadow:4px 4px 4px 4px rgb(229, 3, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 89.947, 34.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 3, 31) }
```

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

```
.background{ background-color: rgb(229, 3,  
31) }
```

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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