

Converting Colors

CIELCh(48, 83.845, 35.722)

Have a look what the booklet for
CIELCh(48, 83.845, 35.722) contains.

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Color

CIELCh(48, 83.987, 35.851)

Conversions

Conversions Part 1

Format	Color
Hex	DE2322
RGB	222, 35, 34
RGB Percent	87%, 14%, 13%
CMY	0.1303, 0.8638, 0.8673
CMYK	0.00, 0.84, 0.85, 0.13
HSL	0°, 74%, 50%
HSV	0°, 85%, 87%
XYZ	30.9361, 16.7945, 3.1130
YIQ	90.7990, 111.7730, 39.3330

Conversions

Conversions Part 2

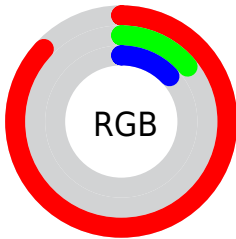
Format	Color
RYB	222, 35, 34
Decimal	14557986
CIELab	48.00, 68.08, 49.19
CIElCh	48, 83.987, 35.851
Yxy	16.7945, 0.6085, 0.3303
Android (android.graphics.Color)	4292748066 (0xFFDE2322)
YUV	90.7990, -28.0019, 115.0633
Hunter-Lab	40.9810, 63.0307, 24.1830

Details

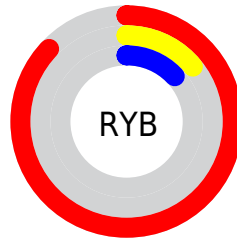
The CIELCh color **48, 83.987, 35.851** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **80, 43.556, 197.104**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 70.942, 35.900**, and **32, 72.402, 39.637** is the 20% darker color. If you saturate the color by 10%, you get **47, 91.292, 38.835**, and if you desaturate by 10%, it is **50, 74.304, 32.325**.

Distribution



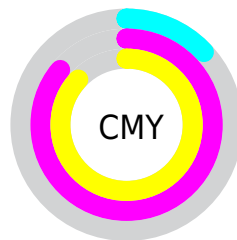
- Red (87%)
- Green (14%)
- Blue (13%)



- Red (87%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (84%)
- Yellow (85%)
- Black (13%)



- Cyan (13%)
- Magenta (86%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 83.987, 35.851 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, 83.987, 35.851 by changing the saturation by 10% instead.

 48, 83.987, 35.851

 48, 83.987, 35.851

 100, 83.987,
35.851

 38, 83.987, 35.851

 68, 83.987, 35.851

 28, 83.987, 35.851

 78, 83.987, 35.851

 18, 83.987, 35.851

 88, 83.987, 35.851

 8, 83.987, 35.851

 98, 83.987, 35.851

 0, 83.987, 35.851

 48, 83.987, 35.851

 48, 83.987, 35.851

 47, 91.292, 38.835

 50, 74.304, 32.325

 46, 94.050, 40.039

 54, 63.665, 29.114

■ 58, 52.723, 26.488

■ 63, 41.884, 24.438

■ 68, 31.439, 22.867

■ 74, 21.568, 21.665

■ 79, 12.355, 20.732

■ 85, 3.818, 19.921

■ 92, 4.073, 199.679

Harmonies

Complementary

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



48, 83.987, 35.851



80, 43.556, 197.104

Rectangle

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



48, 83.987, 35.851



48, 83.987, 85.851



48, 83.987, 215.851



48, 83.987, 265.851

Sweetspot

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



48, 83.984, 35.853



83, 24.451, 21.713



54, 99.885, 328.097



42, 16.908, 22.108



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, 83.984, 35.853



53, 104.519, 40.033



63, 68.471, 63.946



43, 4.617, 20.308



36, 78.170, 39.984



5, 23.765, 20.493

Inverse Universe

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



80, 43.556, 197.104



91, 49.773, 197.123



53, 55.790, 277.755



45, 4.350, 199.378



64, 37.281, 197.105



16, 14.990, 196.981

Previews

White Background



This preview shows how the CIELCh color 48, 83.987, 35.851 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, 83.987, 35.851 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, 83.987, 35.851

Background



This preview shows how black text looks on a background with the CIELCh color 48, 83.987, 35.851.



This preview shows how white text looks on a background with the CIELCh color 48, 83.987, 35.851.

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, 83.987, 35.851

Protanopia

48, 35.653, 96.161

Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 84.252, 36.124

Trichromacy



Original Color
48, 83.987, 35.851

Protanomaly
45, 45.608, 52.745

Deuteranomaly
46, 61.904, 57.108

Tritanomaly
48, 84.252, 36.124

Monochromacy



Original Color
48, 83.987, 35.851

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 31.818, 25.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 83.987, 35.851 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(222, 35, 34)` looks like.

```
.text, #text, p{  
    color:rgb(222, 35, 34)  
}
```

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(222, 35, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 35, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 83.987, 35.851 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(222, 35, 34) }
```

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

```
.border{ border-color:rgb(222, 35, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 35, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 35, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 35, 34);  
box-shadow:4px 4px 4px 4px rgb(222, 35,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 83.987, 35.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 35, 34) }
```

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

```
.background{ background-color: rgb(222, 35,  
34) }
```

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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