

Converting Colors

CIELCh(48, 86.060, 36.963)

Have a look what the booklet for
CIELCh(48, 86.060, 36.963) contains.

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Color

CIELCh(48, 86.043, 36.847)

Conversions

Conversions Part 1

Format	Color
Hex	DF201D
RGB	223, 32, 29
RGB Percent	87%, 13%, 11%
CMY	0.1257, 0.8748, 0.8865
CMYK	0.00, 0.86, 0.87, 0.13
HSL	1°, 77%, 49%
HSV	1°, 87%, 87%
XYZ	31.1470, 16.7945, 2.7594
YIQ	88.7670, 114.7990, 39.5590

Conversions

Conversions Part 2

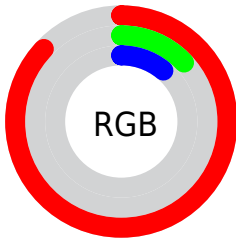
Format	Color
RYB	223, 32, 29
Decimal	14622749
CIELab	48.00, 68.86, 51.60
CIElCh	48, 86.043, 36.847
Yxy	16.7945, 0.6143, 0.3312
Android (android.graphics.Color)	4292812829 (0xFFDF201D)
YUV	88.7670, -29.4651, 117.7223
Hunter-Lab	40.9810, 63.9495, 24.6945

Details

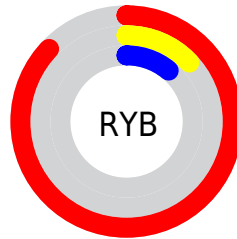
The CIELCh color **48, 86.043, 36.847** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **80, 43.425, 198.615**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 72.541, 37.364**, and **32, 72.766, 39.662** is the 20% darker color. If you saturate the color by 10%, you get **47, 92.688, 39.425**, and if you desaturate by 10%, it is **50, 76.596, 33.487**.

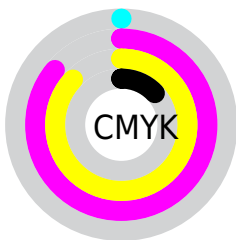
Distribution



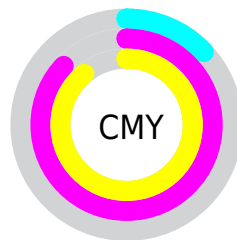
- Red (87%)
- Green (13%)
- Blue (11%)



- Red (87%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (87%)
- Black (13%)



- Cyan (13%)
- Magenta (87%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 86.043, 36.847 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, 86.043, 36.847 by changing the saturation by 10% instead.

 48, 86.043, 36.847

 48, 86.043, 36.847

 100, 86.043,
36.847

 38, 86.043, 36.847

 68, 86.043, 36.847

 28, 86.043, 36.847

 78, 86.043, 36.847

 18, 86.043, 36.847

 88, 86.043, 36.847

 8, 86.043, 36.847

 98, 86.043, 36.847

 0, 86.043, 36.847

 48, 86.043, 36.847

 48, 86.043, 36.847

 47, 92.688, 39.425

 50, 76.596, 33.487

 47, 94.282, 40.128

 53, 66.001, 30.294

■ 57, 55.031, 27.635

■ 62, 44.127, 25.543

■ 67, 33.593, 23.937

■ 73, 23.619, 22.711

■ 79, 14.302, 21.769

■ 85, 5.665, 20.999

■ 91, 2.318, 200.821

Harmonies

Complementary

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



48, 86.043, 36.847



80, 43.425, 198.615

Rectangle

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



48, 86.043, 36.847



48, 86.043, 86.847



48, 86.043, 216.847



48, 86.043, 266.847

Sweetspot

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



48, 86.040, 36.849



83, 25.272, 22.625



54, 101.239, 328.128



42, 17.362, 23.007



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, 86.040, 36.849



53, 104.391, 40.108



62, 70.325, 63.464



44, 4.656, 21.182



37, 78.901, 40.131



6, 25.270, 21.692

Inverse Universe

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



80, 43.425, 198.615



90, 49.017, 198.848



52, 57.487, 278.783



46, 4.385, 200.319



64, 37.126, 198.790



17, 15.304, 198.391

Previews

White Background



This preview shows how the CIELCh color 48, 86.043, 36.847 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, 86.043, 36.847 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, 86.043, 36.847

Background



This preview shows how black text looks on a background with the CIELCh color 48, 86.043, 36.847.



This preview shows how white text looks on a background with the CIELCh color 48, 86.043, 36.847.

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, 86.043, 36.847

Protanopia

48, 38.234, 95.659

Deuteranopia

48, 55.165, 84.000



Tritanopia
48, 86.043, 36.847

Trichromacy



Original Color
48, 86.043, 36.847

Protanomaly
45, 48.466, 53.626

Deuteranomaly
45, 62.276, 56.773

Tritanomaly
48, 86.043, 36.847

Monochromacy



Original Color
48, 86.043, 36.847

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 32.963, 25.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 86.043, 36.847 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(223, 32, 29)` looks like.

```
.text, #text, p{  
  color:rgb(223, 32, 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(223, 32, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 32, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 86.043, 36.847 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(223, 32, 29) }
```

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

```
.border{ border-color:rgb(223, 32, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 32, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 32, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 32, 29);  
box-shadow:4px 4px 4px 4px rgb(223, 32,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 86.043, 36.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 32, 29) }
```

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

```
.background{ background-color: rgb(223, 32,  
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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