

Converting Colors

CIELCh(44, 89.343, 24.274)

Have a look what the booklet for
CIELCh(44, 89.343, 24.274) contains.

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Color

CIELCh(47, 83.425, 28.678)

Conversions

Conversions Part 1

Format	Color
Hex	DF0231
RGB	223, 2, 49
RGB Percent	87%, 1%, 19%
CMY	0.1236, 0.9940, 0.8066
CMYK	0.00, 0.99, 0.78, 0.12
HSL	347°, 99%, 44%
HSV	347°, 99%, 88%
XYZ	31.1541, 16.0195, 4.3912
YIQ	73.4370, 116.6290, 61.4690

Conversions

Conversions Part 2

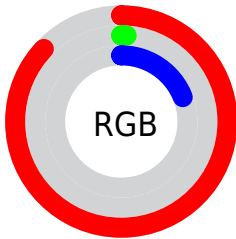
Format	Color
R_{YB}	223, 2, 49
Decimal	14615089
CIE _{Lab}	47.00, 73.19, 40.03
CIE _{LCh}	47, 83.425, 28.678
Yxy	16.0195, 0.6042, 0.3107
Android (android.graphics.Color)	4292805169 (0xFFDF0231)
YUV	73.4370, -12.0474, 131.1668
Hunter-Lab	40.0243, 68.8981, 21.5122

Details

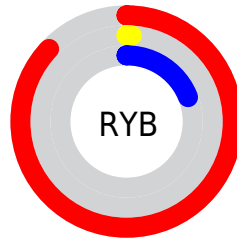
The CIELCh color **47, 83.425, 28.678** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **80, 57.431, 169.190**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 70.020, 26.845**, and **32, 71.545, 38.382** is the 20% darker color. If you saturate the color by 10%, you get **47, 83.804, 29.027**, and if you desaturate by 10%, it is **48, 77.901, 23.322**.

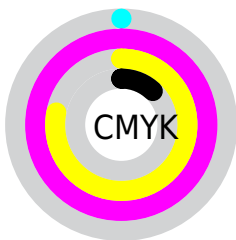
Distribution



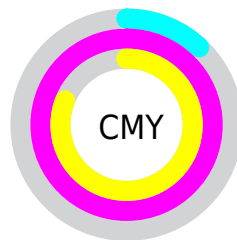
- Red (87%)
- Green (1%)
- Blue (19%)



- Red (87%)
- Yellow (1%)
- Blue (19%)



- Cyan (0%)
- Magenta (99%)
- Yellow (78%)
- Black (12%)



- Cyan (12%)
- Magenta (99%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 83.425, 28.678 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 47, 83.425, 28.678 by changing the saturation by 10% instead.

 47, 83.425, 28.678

 47, 83.425, 28.678

 100, 83.425,
28.678

 37, 83.425, 28.678

 67, 83.425, 28.678

 27, 83.425, 28.678

 77, 83.425, 28.678

 17, 83.425, 28.678

 87, 83.425, 28.678

 7, 83.425, 28.678

 97, 83.425, 28.678

 0, 83.425, 28.678

 47, 83.425, 28.678

 47, 83.425, 28.678

 47, 83.804, 29.027

 48, 77.901, 23.322

 50, 71.462, 18.507

■ 53, 63.842, 14.551

■ 57, 55.177, 11.407

■ 61, 45.814, 8.927

■ 66, 36.141, 6.954

■ 72, 26.485, 5.358

■ 77, 17.072, 4.037

■ 83, 8.033, 2.902

Harmonies

Complementary

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



47, 83.425, 28.678



80, 57.431, 169.190

Rectangle

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



47, 83.425, 28.678



47, 83.425, 78.678



47, 83.425, 208.678



47, 83.425, 258.678

Sweetspot

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



47, 83.422, 28.680



80, 30.219, 5.489



45, 106.722, 320.067



40, 20.779, 6.140



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 83.422, 28.680



54, 92.945, 29.469



51, 86.247, 46.301



44, 4.914, 2.916



37, 69.537, 28.063



6, 25.281, 11.817

Inverse Universe

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



47, 83.422, 28.680



54, 92.945, 29.469



62, 43.288, 253.291



44, 4.914, 2.916



37, 69.537, 28.063



6, 25.281, 11.817

Previews

White Background



This preview shows how the CIELCh color 47, 83.425, 28.678 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 47, 83.425, 28.678 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 47, 83.425, 28.678

Background



This preview shows how black text looks on a background with the CIELCh color 47, 83.425, 28.678.



This preview shows how white text looks on a background with the CIELCh color 47, 83.425, 28.678.

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

47, 83.309, 28.770

Protanopia

48, 22.619, 95.464

Deuteranopia

48, 44.344, 82.297



Tritanopia
47, 91.511, 39.681

Trichromacy



Original Color
47, 83.309, 28.770

Protanomaly
42, 41.878, 30.611

Deuteranomaly
43, 55.620, 43.171

Tritanomaly
47, 89.000, 36.619

Monochromacy



Original Color
47, 83.309, 28.770

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 37.359, 12.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 83.425, 28.678 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, 2, 49)` looks like.

```
.text, #text, p{  
    color:rgb(223, 2, 49)  
}
```

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, 2, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 2, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 83.425, 28.678 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, 2, 49) }
```

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

```
.border{ border-color:rgb(223, 2, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 2, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 2, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 2, 49);  
box-shadow:4px 4px 4px 4px rgb(223, 2, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 83.425, 28.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 2, 49) }
```

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

```
.background{ background-color: rgb(223, 2,  
49) }
```

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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