

Converting Colors

CIELCh(47, 85.034, 44.098)

Have a look what the booklet for
CIELCh(47, 85.034, 44.098) contains.

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Color

CIELCh(47, 85.062, 44.030)

Conversions

Conversions Part 1

Format	Color
Hex	D33001
RGB	211, 48, 1
RGB Percent	83%, 19%, 0%
CMY	0.1716, 0.8108, 0.9953
CMYK	0.00, 0.77, 0.99, 0.17
HSL	13°, 99%, 42%
HSV	13°, 99%, 83%
XYZ	28.0042, 16.0195, 1.6507
YIQ	91.3790, 112.2350, 19.9390

Conversions

Conversions Part 2

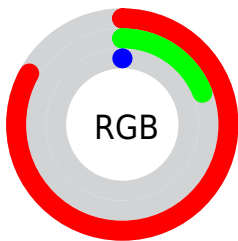
Format	Color
RYB	211, 62, 1
Decimal	13840385
CIELab	47.00, 61.16, 59.12
CIElCh	47, 85.062, 44.030
Yxy	16.0195, 0.6131, 0.3507
Android (android.graphics.Color)	4292030465 (0xFFD33001)
YUV	91.3790, -44.5568, 104.9076
Hunter-Lab	40.0243, 54.8503, 25.5717

Details

The CIELCh color **47, 85.062, 44.030** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **63, 38.711, 240.949**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.693, 45.451**, and **30, 68.687, 39.327** is the 20% darker color. If you saturate the color by 10%, you get **47, 85.462, 44.052**, and if you desaturate by 10%, it is **49, 77.767, 44.183**.

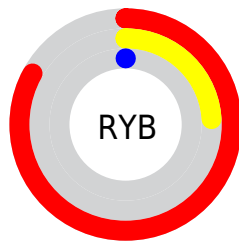
Distribution



Red (83%)

Green (19%)

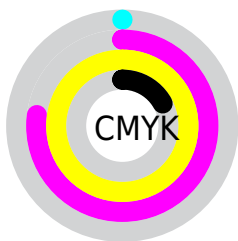
Blue (0%)



Red (83%)

Yellow (24%)

Blue (0%)

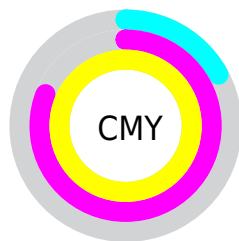


Cyan (0%)

Magenta (77%)

Yellow (99%)

Black (17%)



Cyan (17%)

Magenta (81%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 85.062, 44.030 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, 85.062, 44.030 by changing the saturation by 10% instead.

47, 85.062, 44.030

47, 85.062, 44.030

100, 85.062,
44.030

37, 85.062, 44.030

67, 85.062, 44.030

27, 85.062, 44.030

77, 85.062, 44.030

17, 85.062, 44.030

87, 85.062, 44.030

7, 85.062, 44.030

97, 85.062, 44.030

0, 85.062, 44.030

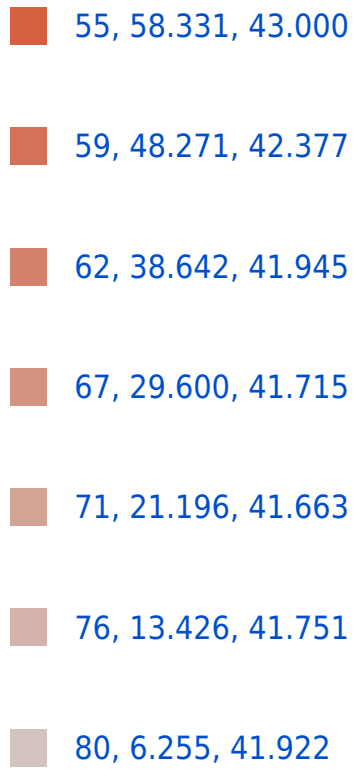
47, 85.062, 44.030

47, 85.062, 44.030

47, 85.462, 44.052

49, 77.767, 44.183

52, 68.446, 43.711



Harmonies

Complementary

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



47, 85.062, 44.030



63, 38.711, 240.949

Rectangle

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



47, 85.062, 44.030



47, 85.062, 94.030



47, 85.062, 224.030



47, 85.062, 274.030

Sweetspot

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



47, 85.059, 44.032



84, 25.269, 41.662



48, 84.657, 339.241



42, 17.547, 41.670



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, 85.059, 44.032



56, 98.873, 43.773



67, 71.923, 80.225



42, 3.733, 41.922



37, 71.763, 44.475



6, 17.544, 31.965

Inverse Universe

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



63, 38.711, 240.949



75, 44.790, 241.708



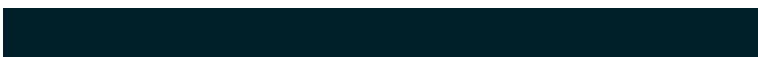
34, 91.763, 299.281



43, 3.526, 222.764



51, 32.651, 240.429



10, 12.218, 231.049

Previews

White Background



This preview shows how the CIELCh color 47, 85.062, 44.030 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, 85.062, 44.030 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, 85.062, 44.030

Background



This preview shows how black text looks on a background with the CIELCh color 47, 85.062, 44.030.



This preview shows how white text looks on a background with the CIELCh color 47, 85.062, 44.030.

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, 85.062, 44.030

Protanopia

47, 47.219, 95.983

Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 75.432, 33.167

Trichromacy



Original Color
47, 85.062, 44.030

Protanomaly
45, 54.291, 64.868

Deuteranomaly
45, 61.640, 62.144

Tritanomaly
47, 79.629, 38.373

Monochromacy



Original Color
47, 85.062, 44.030

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 31.153, 42.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 85.062, 44.030 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(211, 48, 1)` looks like.

```
.text, #text, p{  
    color:rgb(211, 48, 1)  
}
```

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(211, 48, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 48, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 85.062, 44.030 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(211, 48, 1) }
```

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

```
.border{ border-color:rgb(211, 48, 1) }
```

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

Here you see how a box with a 4 pixel rgb(211, 48, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 48, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 48, 1);  
box-shadow:4px 4px 4px 4px rgb(211, 48, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 85.062, 44.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 48, 1) }
```

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

```
.background{ background-color: rgb(211, 48,  
1) }
```

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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