

Converting Colors

CIELCh(43, 81.949, 33.027)

Have a look what the booklet for
CIELCh(43, 81.949, 33.027) contains.

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Color

CIELCh(43, 81.836, 33.002)

Conversions

Conversions Part 1

Format	Color
Hex	CE0020
RGB	206, 0, 32
RGB Percent	81%, 0%, 13%
CMY	0.1935, 1.0000, 0.8754
CMYK	0.00, 1.00, 0.85, 0.19
HSL	351°, 100%, 40%
HSV	351°, 100%, 81%
XYZ	25.6096, 13.1578, 2.5406
YIQ	65.2420, 112.5040, 53.6240

Conversions

Conversions Part 2

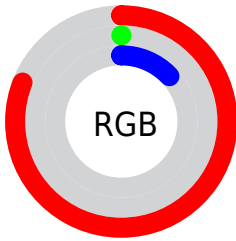
Format	Color
RYB	206, 0, 32
Decimal	13500448
CIELab	43.00, 68.63, 44.57
CIELCh	43, 81.836, 33.002
Yxy	13.1578, 0.6200, 0.3185
Android (android.graphics.Color)	4291690528 (0xFFCE0020)
YUV	65.2420, -16.3883, 123.4448
Hunter-Lab	36.2736, 62.5442, 21.2389

Details

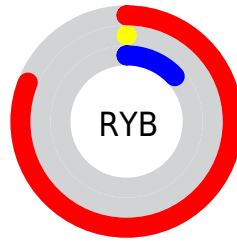
The CIELCh color **43, 81.836, 33.002** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **74, 50.001, 175.587**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 75.304, 32.528**, and **29, 66.786, 39.127** is the 20% darker color. If you saturate the color by 10%, you get **43, 81.778, 33.050**, and if you desaturate by 10%, it is **44, 75.793, 28.152**.

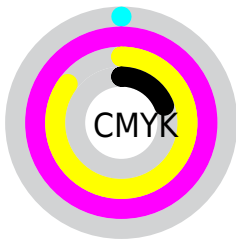
Distribution



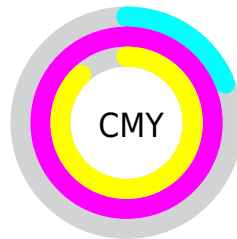
- Red (81%)
- Green (0%)
- Blue (13%)



- Red (81%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (19%)



- Cyan (19%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 81.836, 33.002 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 43, 81.836, 33.002 by changing the saturation by 10% instead.

■ 43, 81.836, 33.002

■ 43, 81.836, 33.002

■ 100, 81.836,
33.002

■ 33, 81.836, 33.002

■ 63, 81.836, 33.002

■ 23, 81.836, 33.002

■ 73, 81.836, 33.002

■ 13, 81.836, 33.002

■ 83, 81.836, 33.002

■ 3, 81.836, 33.002

■ 93, 81.836, 33.002

■ 0, 81.836, 33.002

■ 43, 81.836, 33.002

■ 43, 81.836, 33.002

■ 43, 81.778, 33.050

■ 44, 75.793, 28.152

■ 46, 68.934, 23.422

■ 48, 61.119, 19.419

■ 52, 52.518, 16.198

■ 56, 43.432, 13.655

■ 61, 34.196, 11.646

■ 66, 25.086, 10.039

■ 71, 16.291, 8.727

■ 77, 7.916, 7.619

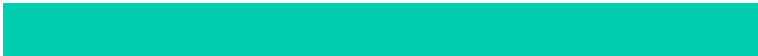
Harmonies

Complementary

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



43, 81.836, 33.002



74, 50.001, 175.587

Rectangle

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



43, 81.836, 33.002



43, 81.836, 83.002



43, 81.836, 213.002



43, 81.836, 263.002

Sweetspot

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



43, 81.778, 33.050



80, 29.896, 10.093



43, 99.705, 321.848



40, 20.601, 10.742



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 81.778, 33.050



53, 96.840, 33.717



49, 79.169, 48.870



40, 4.453, 7.555



34, 69.064, 32.206



4, 18.100, 11.839

Inverse Universe

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



43, 81.778, 33.050



53, 96.840, 33.717



54, 44.254, 262.480



40, 4.453, 7.555



34, 69.064, 32.206



4, 18.100, 11.839

Previews

White Background



This preview shows how the CIELCh color 43, 81.836, 33.002 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 43, 81.836, 33.002 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 43, 81.836, 33.002

Background



This preview shows how black text looks on a background with the CIELCh color 43, 81.836, 33.002.



This preview shows how white text looks on a background with the CIELCh color 43, 81.836, 33.002.

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
43, 81.836, 33.002

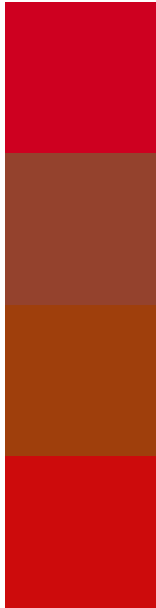
Protanopia
44, 30.725, 95.835

Deuteranopia
44, 51.534, 84.038



Tritanopia
43, 87.443, 40.900

Trichromacy



Original Color
43, 81.836, 33.002

Protanomaly
39, 44.012, 41.441

Deuteranomaly
40, 59.911, 51.046

Tritanomaly
43, 85.635, 38.487

Monochromacy



Original Color
43, 81.836, 33.002

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 35.424, 16.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 81.836, 33.002 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(206, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(206, 0, 32)  
}
```

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(206, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 0, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 81.836, 33.002 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(206, 0, 32) }
```

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

```
.border{ border-color:rgb(206, 0, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(206, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 81.836, 33.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 0, 32) }
```

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

```
.background{ background-color: rgb(206, 0,  
32) }
```

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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