

Converting Colors

CIELCh(43, 87.741, 40.454)

Have a look what the booklet for
CIELCh(43, 87.741, 40.454) contains.

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Color

CIELCh(43, 88.002, 40.497)

Conversions

Conversions Part 1

Format	Color
Hex	CD0A00
RGB	205, 10, 0
RGB Percent	80%, 4%, 0%
CMY	0.1972, 0.9599, 1.0000
CMYK	0.00, 0.95, 1.00, 0.20
HSL	3°, 100%, 40%
HSV	3°, 100%, 80%
XYZ	25.2046, 13.1578, 1.2054
YIQ	67.1650, 119.4300, 38.2300

Conversions

Conversions Part 2

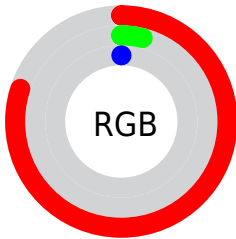
Format	Color
RYB	205, 11, 0
Decimal	13437440
CIELab	43.00, 66.92, 57.15
CIElCh	43, 88.002, 40.497
Yxy	13.1578, 0.6370, 0.3325
Android (android.graphics.Color)	4291627520 (0xFFCD0A00)
YUV	67.1650, -33.1123, 120.8813
Hunter-Lab	36.2736, 60.5510, 23.4212

Details

The CIELCh color **43, 88.002, 40.497** 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 **72, 39.719, 204.745**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.721, 40.930**, and **28, 66.016, 39.038** is the 20% darker color. If you saturate the color by 10%, you get **43, 87.954, 40.463**, and if you desaturate by 10%, it is **44, 81.839, 38.295**.

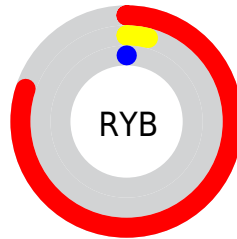
Distribution



Red (80%)

Green (4%)

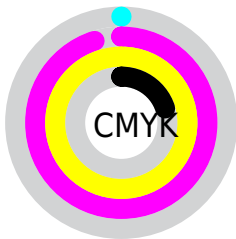
Blue (0%)



Red (80%)

Yellow (4%)

Blue (0%)

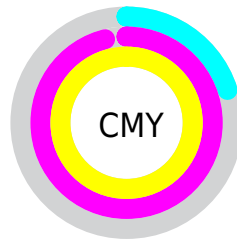


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (96%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 88.002, 40.497 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, 88.002, 40.497 by changing the saturation by 10% instead.

■ 43, 88.002, 40.497

■ 43, 88.002, 40.497

■ 100, 88.002,
40.497

■ 33, 88.002, 40.497

■ 63, 88.002, 40.497

■ 23, 88.002, 40.497

■ 73, 88.002, 40.497

■ 13, 88.002, 40.497

■ 83, 88.002, 40.497

■ 3, 88.002, 40.497

■ 93, 88.002, 40.497

■ 0, 88.002, 40.497

■ 43, 88.002, 40.497

■ 43, 88.002, 40.497

■ 43, 87.954, 40.463

■ 44, 81.839, 38.295

■ 46, 73.212, 35.509

■ 49, 63.337, 32.675

■ 52, 53.108, 30.244

■ 57, 42.974, 28.307

■ 61, 33.209, 26.817

■ 66, 23.977, 25.689

■ 71, 15.360, 24.838

■ 77, 7.375, 24.176

Harmonies

Complementary

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



43, 88.002, 40.497



72, 39.719, 204.745

Rectangle

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



43, 88.002, 40.497



43, 88.002, 90.497



43, 88.002, 220.497



43, 88.002, 270.497

Sweetspot

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



43, 87.954, 40.463



81, 28.701, 25.727



48, 95.391, 329.612



40, 19.907, 26.174



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, 87.954, 40.463



54, 103.970, 40.357



56, 71.417, 63.129



40, 4.162, 24.139



35, 74.871, 40.469



4, 17.387, 21.947

Inverse Universe

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



72, 39.719, 204.745



87, 46.835, 204.860



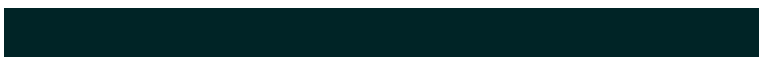
42, 65.839, 287.494



42, 3.919, 203.526



59, 33.981, 204.612



12, 12.809, 202.813

Previews

White Background



This preview shows how the CIELCh color 43, 88.002, 40.497 looks on a white background.

Color Contrast Check

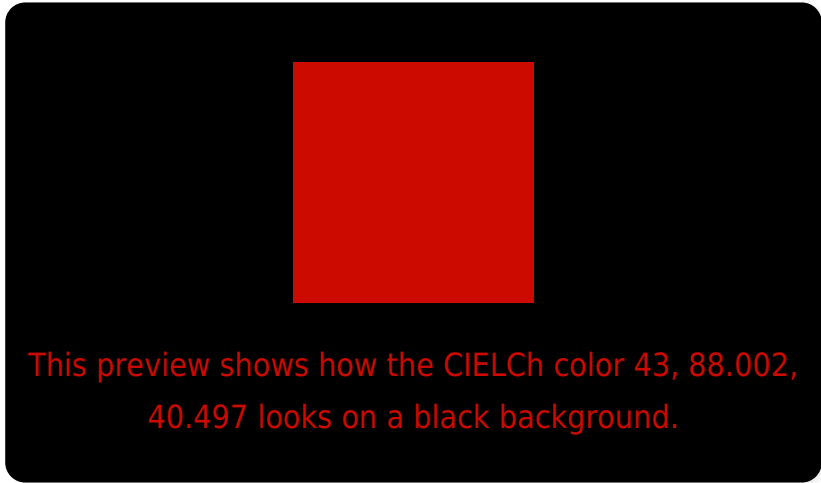
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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, 88.002, 40.497

Background



This preview shows how black text looks on a background with the CIELCh color 43, 88.002, 40.497.



This preview shows how white text looks on a background with the CIELCh color 43, 88.002, 40.497.

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, 88.067, 40.451

Protanopia

44, 43.112, 96.003

Deuteranopia

43, 51.039, 84.409



Tritanopia
43, 87.014, 40.980

Trichromacy



Original Color
43, 88.067, 40.451

Protanomaly
39, 52.856, 55.821

Deuteranomaly
40, 61.389, 55.025

Tritanomaly
43, 87.289, 40.779

Monochromacy



Original Color
43, 88.067, 40.451

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 35.711, 29.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 88.002, 40.497 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(205, 10, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 10, 0)  
}
```

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(205, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 10, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 88.002, 40.497 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(205, 10, 0) }
```

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

```
.border{ border-color:rgb(205, 10, 0) }
```

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

Here you see how a box with a 4 pixel rgb(205, 10, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 10, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 88.002, 40.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 10, 0) }
```

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

```
.background{ background-color: rgb(205, 10,  
0) }
```

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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