

Converting Colors

CIELCh(43, 87.517, 40.089)

Have a look what the booklet for
CIELCh(43, 87.517, 40.089) contains.

CIELCh(43, 87.638, 40.102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(43, 87.638, 40.102)

Conversions

Conversions Part 1

Format	Color
Hex	CD0902
RGB	205, 9, 2
RGB Percent	80%, 4%, 1%
CMY	0.1969, 0.9629, 0.9928
CMYK	0.00, 0.95, 0.99, 0.20
HSL	2°, 98%, 41%
HSV	2°, 99%, 80%
XYZ	25.2314, 13.1578, 1.2629
YIQ	66.8060, 119.0630, 39.3750

Conversions

Conversions Part 2

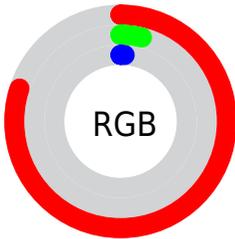
Format	Color
RYB	205, 9, 2
Decimal	13437186
CIELab	43.00, 67.03, 56.45
CIElCh	43, 87.638, 40.102
Yxy	13.1578, 0.6363, 0.3318
Android (android.graphics.Color)	4291627266 (0xFFCD0902)
YUV	66.8060, -31.9494, 121.1961
Hunter-Lab	36.2736, 60.6831, 23.3273

Details

The CIELCh color **43, 87.638, 40.102** 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 **73, 40.314, 202.488**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 81.434, 40.663**, and **28, 66.016, 39.038** is the 20% darker color. If you saturate the color by 10%, you get **43, 88.147, 40.347**, and if you desaturate by 10%, it is **44, 81.481, 37.793**.

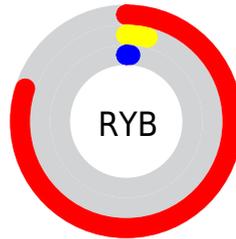
Distribution



Red (80%)

Green (4%)

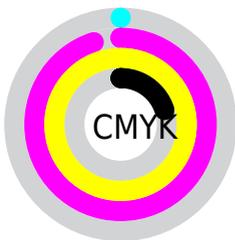
Blue (1%)



Red (80%)

Yellow (4%)

Blue (1%)

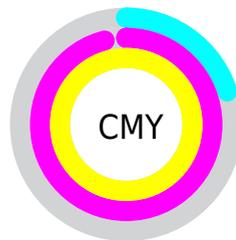


Cyan (0%)

Magenta (95%)

Yellow (99%)

Black (20%)



Cyan (20%)

Magenta (96%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 87.638, 40.102 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, 87.638, 40.102 by changing the saturation by 10% instead.

 43, 87.638, 40.102  43, 87.638, 40.102

 100, 87.638,
40.102  33, 87.638, 40.102

 63, 87.638, 40.102  23, 87.638, 40.102

 73, 87.638, 40.102  13, 87.638, 40.102

 83, 87.638, 40.102  3, 87.638, 40.102

 93, 87.638, 40.102  0, 87.638, 40.102

 43, 87.638, 40.102  43, 87.638, 40.102

 43, 88.147, 40.347  44, 81.481, 37.793

 46, 72.775, 34.798

■ 49, 62.890, 31.833

■ 53, 52.655, 29.316

■ 57, 42.504, 27.319

■ 61, 32.710, 25.782

■ 67, 23.444, 24.616

■ 72, 14.790, 23.728

■ 77, 6.768, 23.027

Harmonies

Complementary

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



43, 87.638, 40.102



73, 40.314, 202.488

Rectangle

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



43, 87.638, 40.102



43, 87.638, 90.102



43, 87.638, 220.102



43, 87.638, 270.102

Sweetspot

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



43, 87.635, 40.104



81, 29.023, 24.748



48, 95.274, 329.595



40, 20.126, 25.224



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, 87.635, 40.104



53, 104.128, 40.263



56, 71.038, 63.355



40, 4.211, 23.047



34, 75.040, 40.308



4, 17.514, 21.297

Inverse Universe

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



73, 40.314, 202.488



88, 47.571, 202.619



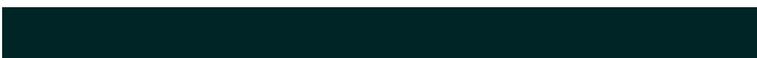
43, 65.233, 287.129



42, 3.966, 202.346



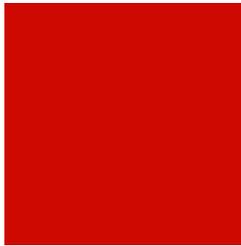
60, 34.504, 202.439



12, 12.972, 201.133

Previews

White Background



This preview shows how the CIELCh color 43, 87.638, 40.102 looks on a white background.

Color Contrast Check

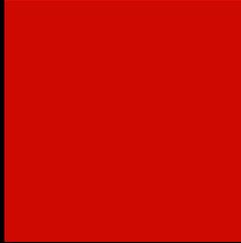
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.638, 40.102 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

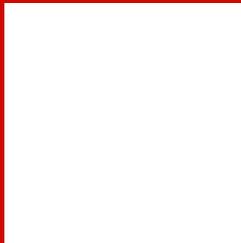
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 87.638, 40.102

Background



This preview shows how black text looks on a background with the CIELCh color 43, 87.638, 40.102.



This preview shows how white text looks on a background with the CIELCh color 43, 87.638, 40.102.

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

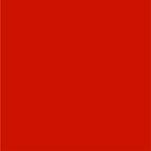
43, 87.701, 40.056

Protanopia

44, 42.718, 95.992

Deuteranopia

43, 51.039, 84.409



Tritanopia
43, 87.014, 40.980

Trichromacy



Original Color
43, 87.701, 40.056

Protanomaly
39, 52.557, 55.565

Deuteranomaly
40, 61.129, 54.836

Tritanomaly
43, 87.072, 40.604

Monochromacy



Original Color
43, 87.701, 40.056

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, 87.638, 40.102 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, 9, 2)` looks like.

```
.text, #text, p{  
  color:rgb(205, 9, 2)  
}
```

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, 9, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 9, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 87.638, 40.102 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, 9, 2) }
```

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

```
.border{ border-color:rgb(205, 9, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 9, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 9, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(205, 9, 2); box-shadow:4px  
4px 4px 4px rgb(205, 9, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 87.638, 40.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 9, 2) }
```

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

```
.background{ background-color: rgb(205, 9,  
2) }
```

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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