

Converting Colors

CIELCh(43, 83.032, 38.649)

Have a look what the booklet for
CIELCh(43, 83.032, 38.649) contains.

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Color

CIELCh(43, 83.032, 38.649)

Conversions

Conversions Part 1

Format	Color
Hex	CA160F
RGB	202, 22, 15
RGB Percent	79%, 9%, 6%
CMY	0.2080, 0.9139, 0.9413
CMYK	0.00, 0.89, 0.93, 0.21
HSL	2°, 86%, 43%
HSV	2°, 93%, 79%
XYZ	24.7197, 13.1578, 1.6877
YIQ	75.0220, 109.5270, 35.9830

Conversions

Conversions Part 2

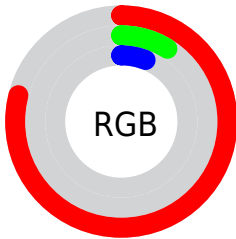
Format	Color
RYB	202, 22, 15
Decimal	13243919
CIELab	43.00, 64.85, 51.86
CIElCh	43, 83.032, 38.649
Yxy	13.1578, 0.6248, 0.3326
Android (android.graphics.Color)	4291433999 (0xFFCA160F)
YUV	75.0220, -29.5908, 111.3597
Hunter-Lab	36.2736, 58.1648, 22.6329

Details

The CIELCh color **43, 83.032, 38.649** 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, 39.628, 202.128**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.219, 38.895**, and **28, 65.243, 38.943** is the 20% darker color. If you saturate the color by 10%, you get **42, 87.228, 40.352**, and if you desaturate by 10%, it is **45, 75.161, 35.852**.

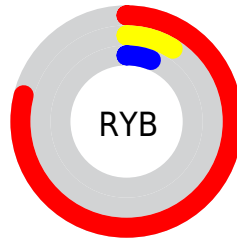
Distribution



Red (79%)

Green (9%)

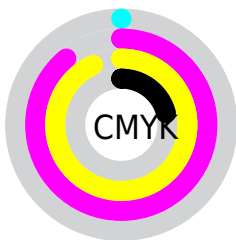
Blue (6%)



Red (79%)

Yellow (9%)

Blue (6%)

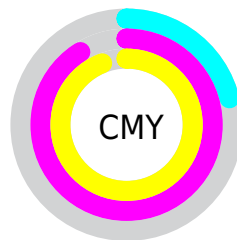


Cyan (0%)

Magenta (89%)

Yellow (93%)

Black (21%)



Cyan (21%)

Magenta (91%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 83.032, 38.649 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, 83.032, 38.649 by changing the saturation by 10% instead.

 43, 83.032, 38.649

 43, 83.032, 38.649

 100, 83.032,
38.649

 33, 83.032, 38.649

 63, 83.032, 38.649

 23, 83.032, 38.649

 73, 83.032, 38.649

 13, 83.032, 38.649

 83, 83.032, 38.649

 3, 83.032, 38.649

 93, 83.032, 38.649

 0, 83.032, 38.649

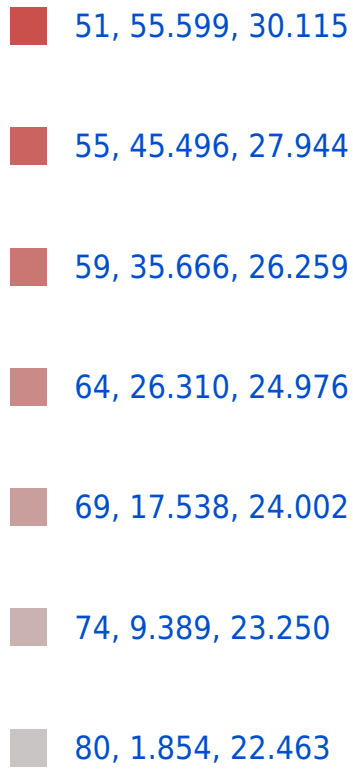
 43, 83.032, 38.649

 43, 83.032, 38.649

 42, 87.228, 40.352

 45, 75.161, 35.852

 47, 65.660, 32.804



Harmonies

Complementary

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



43, 83.032, 38.649



72, 39.628, 202.128

Rectangle

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



43, 83.032, 38.649



43, 83.032, 88.649



43, 83.032, 218.649



43, 83.032, 268.649

Sweetspot

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



43, 83.029, 38.651



82, 26.878, 24.534



48, 93.162, 329.472



41, 18.871, 24.995



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, 83.029, 38.651



53, 104.129, 40.262



57, 67.533, 65.155



40, 4.212, 23.038



34, 75.041, 40.307



4, 17.516, 21.292

Inverse Universe

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



72, 39.628, 202.128



88, 47.577, 202.601



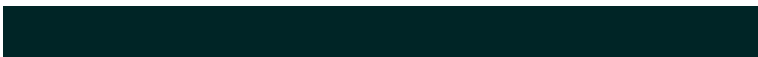
44, 60.087, 284.291



42, 3.967, 202.336



60, 34.508, 202.422



12, 12.974, 201.120

Previews

White Background



This preview shows how the CIELCh color 43, 83.032, 38.649 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, 83.032, 38.649 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, 83.032, 38.649

Background



This preview shows how black text looks on a background with the CIELCh color 43, 83.032, 38.649.



This preview shows how white text looks on a background with the CIELCh color 43, 83.032, 38.649.

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, 83.032, 38.649

Protanopia

43, 40.194, 95.837

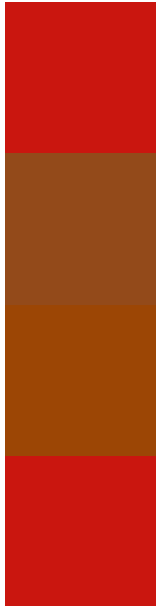
Deuteranopia

43, 51.039, 84.409



Tritanopia
43, 83.032, 38.649

Trichromacy



Original Color
43, 83.032, 38.649

Protanomaly
40, 48.924, 56.003

Deuteranomaly
40, 58.991, 56.216

Tritanomaly
43, 83.032, 38.649

Monochromacy



Original Color
43, 83.032, 38.649

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 31.959, 28.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 83.032, 38.649 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(202, 22, 15)` looks like.

```
.text, #text, p{  
    color:rgb(202, 22, 15)  
}
```

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(202, 22, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 22, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 83.032, 38.649 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(202, 22, 15) }
```

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

```
.border{ border-color:rgb(202, 22, 15) }
```

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

Here you see how a box with a 4 pixel rgb(202, 22, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 22, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 22, 15);  
box-shadow:4px 4px 4px 4px rgb(202, 22,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 83.032, 38.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 22, 15) }
```

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

```
.background{ background-color: rgb(202, 22,  
15) }
```

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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