

Converting Colors

CIELCh(44, 86.061, 38.461)

Have a look what the booklet for
CIELCh(44, 86.061, 38.461) contains.

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Color

CIELCh(44, 85.903, 38.461)

Conversions

Conversions Part 1

Format	Color
Hex	D0100E
RGB	208, 16, 14
RGB Percent	82%, 6%, 5%
CMY	0.1838, 0.9361, 0.9447
CMYK	0.00, 0.92, 0.93, 0.18
HSL	1°, 87%, 44%
HSV	1°, 93%, 82%
XYZ	26.3162, 13.8382, 1.7032
YIQ	73.1800, 115.0740, 40.0820

Conversions

Conversions Part 2

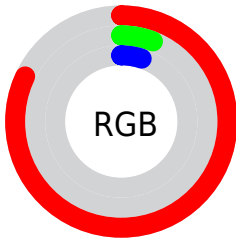
Format	Color
R _Y B	208, 16, 14
Decimal	13635598
CIE Lab	44.00, 67.26, 53.43
CIE LCh	44, 85.903, 38.461
Yxy	13.8382, 0.6287, 0.3306
Android (android.graphics.Color)	4291825678 (0xFFD0100E)
YUV	73.1800, -29.1757, 118.2371
Hunter-Lab	37.1997, 61.1767, 23.3253

Details

The CIELCh color **44, 85.903, 38.461** 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 **75, 41.953, 198.087**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 78.434, 38.620**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **43, 89.573, 40.103**, and if you desaturate by 10%, it is **45, 78.313, 35.379**.

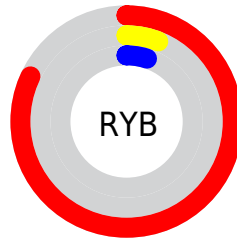
Distribution



Red (82%)

Green (6%)

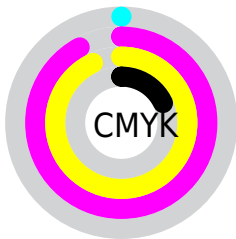
Blue (5%)



Red (82%)

Yellow (6%)

Blue (5%)

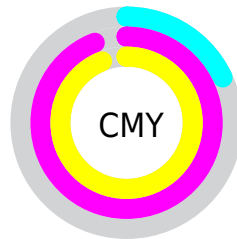


Cyan (0%)

Magenta (92%)

Yellow (93%)

Black (18%)



Cyan (18%)

Magenta (94%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 85.903, 38.461 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 44, 85.903, 38.461 by changing the saturation by 10% instead.

 44, 85.903, 38.461

 44, 85.903, 38.461

 100, 85.903,
38.461

 34, 85.903, 38.461

 64, 85.903, 38.461

 24, 85.903, 38.461

 74, 85.903, 38.461

 14, 85.903, 38.461

 84, 85.903, 38.461

 4, 85.903, 38.461

 94, 85.903, 38.461

 0, 85.903, 38.461

 44, 85.903, 38.461

 44, 85.903, 38.461

 43, 89.573, 40.103

 45, 78.313, 35.379

 48, 68.835, 31.968

■ 51, 58.621, 28.941

■ 55, 48.227, 26.490

■ 60, 38.009, 24.583

■ 65, 28.214, 23.123

■ 70, 18.988, 22.006

■ 76, 10.394, 21.136

■ 82, 2.436, 20.307

Harmonies

Complementary

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



44, 85.903, 38.461



75, 41.953, 198.087

Rectangle

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



44, 85.903, 38.461



44, 85.903, 88.461



44, 85.903, 218.461



44, 85.903, 268.461

Sweetspot

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



44, 85.900, 38.463



81, 27.532, 22.540



50, 97.871, 328.188



41, 19.320, 23.057



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 85.900, 38.463



53, 104.440, 40.079



57, 70.084, 62.065



41, 4.410, 20.845



35, 76.299, 40.006



4, 19.879, 20.013

Inverse Universe

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



75, 41.953, 198.087



90, 49.298, 198.189



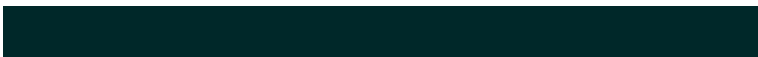
47, 58.188, 281.437



43, 4.155, 199.965



62, 36.129, 198.141



14, 13.858, 197.796

Previews

White Background



This preview shows how the CIELCh color 44, 85.903, 38.461 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 44, 85.903, 38.461 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 44, 85.903, 38.461

Background



This preview shows how black text looks on a background with the CIELCh color 44, 85.903, 38.461.



This preview shows how white text looks on a background with the CIELCh color 44, 85.903, 38.461.

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

44, 85.903, 38.461

Protanopia

45, 41.501, 96.067

Deuteranopia

44, 51.845, 84.188



Tritanopia
44, 88.440, 40.871

Trichromacy



Original Color
44, 85.903, 38.461

Protanomaly
40, 51.044, 54.600

Deuteranomaly
41, 60.527, 55.324

Tritanomaly
44, 87.515, 39.986

Monochromacy



Original Color
44, 85.903, 38.461

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 34.052, 26.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 85.903, 38.461 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(208, 16, 14)` looks like.

```
.text, #text, p{  
    color:rgb(208, 16, 14)  
}
```

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(208, 16, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 16, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 85.903, 38.461 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(208, 16, 14) }
```

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

```
.border{ border-color:rgb(208, 16, 14) }
```

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

Here you see how a box with a 4 pixel rgb(208, 16, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 16, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 16, 14);  
box-shadow:4px 4px 4px 4px rgb(208, 16,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 85.903, 38.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 16, 14) }
```

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

```
.background{ background-color: rgb(208, 16,  
14) }
```

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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