

Converting Colors

CIELCh(43, 86.577, 38.463)

Have a look what the booklet for
CIELCh(43, 86.577, 38.463) contains.

CIELCh(43, 86.451, 38.486)	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, 86.451, 38.486)

Conversions

Conversions Part 1

Format	Color
Hex	CD050A
RGB	205, 5, 10
RGB Percent	80%, 2%, 4%
CMY	0.1947, 0.9804, 0.9596
CMYK	0.00, 0.98, 0.95, 0.19
HSL	358°, 95%, 41%
HSV	358°, 98%, 81%
XYZ	25.3815, 13.1578, 1.4980
YIQ	65.3700, 117.5950, 43.9550

Conversions

Conversions Part 2

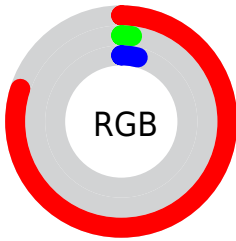
Format	Color
RYB	205, 5, 10
Decimal	13436170
CIELab	43.00, 67.67, 53.80
CIElCh	43, 86.451, 38.486
Yxy	13.1578, 0.6339, 0.3286
Android (android.graphics.Color)	4291626250 (0xFFCD050A)
YUV	65.3700, -27.2974, 122.4555
Hunter-Lab	36.2736, 61.4220, 22.9430

Details

The CIELCh color **43, 86.451, 38.486** 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, 43.297, 192.452**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 79.929, 38.716**, and **28, 66.016, 39.038** is the 20% darker color. If you saturate the color by 10%, you get **43, 87.683, 39.052**, and if you desaturate by 10%, it is **44, 80.055, 35.233**.

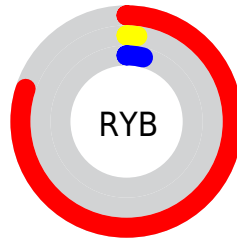
Distribution



Red (80%)

Green (2%)

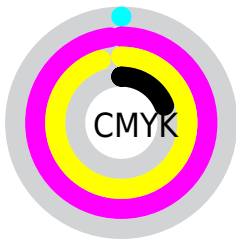
Blue (4%)



Red (80%)

Yellow (2%)

Blue (4%)

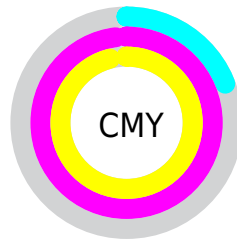


Cyan (0%)

Magenta (98%)

Yellow (95%)

Black (19%)



Cyan (19%)

Magenta (98%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 86.451, 38.486 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, 86.451, 38.486 by changing the saturation by 10% instead.

 43, 86.451, 38.486

 43, 86.451, 38.486

 100, 86.451,
38.486

 33, 86.451, 38.486

 63, 86.451, 38.486

 23, 86.451, 38.486

 73, 86.451, 38.486

 13, 86.451, 38.486

 83, 86.451, 38.486

 3, 86.451, 38.486

 93, 86.451, 38.486

 0, 86.451, 38.486

 43, 86.451, 38.486

 43, 86.451, 38.486

 43, 87.683, 39.052

 44, 80.055, 35.233

 46, 71.522, 31.393

■ 49, 61.995, 27.882

■ 53, 52.027, 24.988

■ 57, 41.994, 22.709

■ 62, 32.195, 20.943

■ 67, 22.835, 19.576

■ 73, 14.031, 18.503

■ 78, 5.823, 17.616

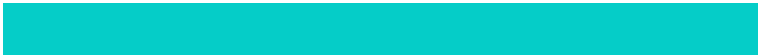
Harmonies

Complementary

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



43, 86.451, 38.486



75, 43.297, 192.452

Rectangle

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



43, 86.451, 38.486



43, 86.451, 88.486



43, 86.451, 218.486



43, 86.451, 268.486

Sweetspot

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



43, 86.448, 38.488



81, 28.816, 19.796



48, 97.847, 326.921



40, 20.069, 20.370



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, 86.448, 38.488



53, 103.540, 39.273



54, 72.331, 58.199



40, 4.369, 17.772



34, 74.466, 38.742



4, 17.921, 18.094

Inverse Universe

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



43, 86.448, 38.488



53, 103.540, 39.273



47, 56.361, 279.870



40, 4.369, 17.772



34, 74.466, 38.742



4, 17.921, 18.094

Previews

White Background



This preview shows how the CIELCh color 43, 86.451, 38.486 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, 86.451, 38.486 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, 86.451, 38.486

Background



This preview shows how black text looks on a background with the CIELCh color 43, 86.451, 38.486.



This preview shows how white text looks on a background with the CIELCh color 43, 86.451, 38.486.

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, 86.388, 38.534

Protanopia

44, 41.489, 95.951

Deuteranopia

44, 51.223, 83.886



Tritanopia
43, 87.014, 40.980

Trichromacy



Original Color
43, 86.388, 38.534

Protanomaly
39, 51.290, 52.901

Deuteranomaly
39, 61.164, 53.182

Tritanomaly
43, 86.609, 39.968

Monochromacy



Original Color
43, 86.388, 38.534

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 35.817, 25.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 86.451, 38.486 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, 5, 10)` looks like.

```
.text, #text, p{  
    color:rgb(205, 5, 10)  
}
```

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, 5, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 5, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 86.451, 38.486 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, 5, 10) }
```

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

```
.border{ border-color:rgb(205, 5, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 5, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 5, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 5, 10);  
box-shadow:4px 4px 4px 4px rgb(205, 5, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 86.451, 38.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 5, 10) }
```

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

```
.background{ background-color: rgb(205, 5,  
10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor