

Converting Colors

CIELCh(43, 86.763, 41.167)

Have a look what the booklet for
CIELCh(43, 86.763, 41.167) contains.

CIELCh(43, 86.581, 41.065)	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, 86.581, 41.065)

Conversions

Conversions Part 1

Format	Color
Hex	CB1400
RGB	203, 20, 0
RGB Percent	80%, 8%, 0%
CMY	0.2047, 0.9228, 1.0000
CMYK	0.00, 0.90, 1.00, 0.20
HSL	6°, 100%, 40%
HSV	6°, 100%, 80%
XYZ	24.8202, 13.1578, 1.2277
YIQ	72.4370, 115.4880, 32.5760

Conversions

Conversions Part 2

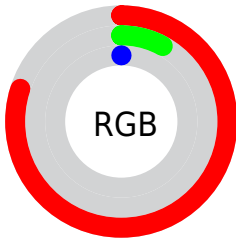
Format	Color
RYB	203, 22, 0
Decimal	13308928
CIELab	43.00, 65.28, 56.88
CIElCh	43, 86.581, 41.065
Yxy	13.1578, 0.6331, 0.3356
Android (android.graphics.Color)	4291499008 (0xFFCB1400)
YUV	72.4370, -35.7114, 114.5038
Hunter-Lab	36.2736, 58.6596, 23.3848

Details

The CIELCh color **43, 86.581, 41.065** 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 **68, 37.628, 213.724**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 81.104, 41.718**, and **28, 65.243, 38.943** is the 20% darker color. If you saturate the color by 10%, you get **43, 86.549, 41.044**, and if you desaturate by 10%, it is **44, 79.991, 39.451**.

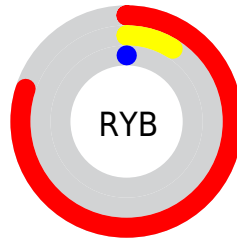
Distribution



Red (80%)

Green (8%)

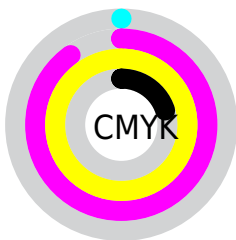
Blue (0%)



Red (80%)

Yellow (9%)

Blue (0%)

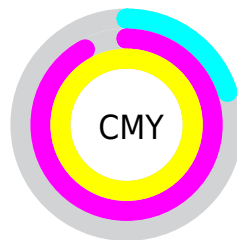


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (92%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 86.581, 41.065 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, 86.581, 41.065 by changing the saturation by 10% instead.

 43, 86.581, 41.065

 43, 86.581, 41.065

 100, 86.581,
41.065

 33, 86.581, 41.065

 63, 86.581, 41.065

 23, 86.581, 41.065

 73, 86.581, 41.065

 13, 86.581, 41.065

 83, 86.581, 41.065

 3, 86.581, 41.065

 93, 86.581, 41.065

 0, 86.581, 41.065

 43, 86.581, 41.065

 43, 86.581, 41.065

 43, 86.549, 41.044

 44, 79.991, 39.451

 47, 71.131, 37.309

■ 49, 61.189, 35.071

■ 53, 51.056, 33.138

■ 57, 41.155, 31.604

■ 62, 31.715, 30.441

■ 66, 22.856, 29.586

■ 71, 14.624, 28.967

■ 76, 7.016, 28.508

Harmonies

Complementary

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



43, 86.581, 41.065



68, 37.628, 213.724

Rectangle

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



43, 86.581, 41.065



43, 86.581, 91.065



43, 86.581, 221.065



43, 86.581, 271.065

Sweetspot

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



43, 86.549, 41.044



82, 27.569, 29.615



47, 91.060, 331.879



41, 19.136, 29.952



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, 86.549, 41.044



54, 103.127, 40.870



58, 69.929, 67.622



40, 3.989, 28.483



35, 74.159, 41.159



4, 16.927, 24.478

Inverse Universe

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



68, 37.628, 213.724



84, 44.668, 213.987



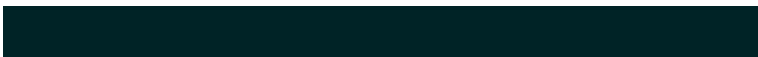
39, 71.838, 291.486



42, 3.754, 208.226



57, 32.424, 213.446



11, 12.286, 209.563

Previews

White Background



This preview shows how the CIELCh color 43, 86.581, 41.065 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, 86.581, 41.065 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, 86.581, 41.065

Background



This preview shows how black text looks on a background with the CIELCh color 43, 86.581, 41.065.



This preview shows how white text looks on a background with the CIELCh color 43, 86.581, 41.065.

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, 86.581, 41.065

Protanopia

43, 42.778, 95.275

Deuteranopia

43, 51.039, 84.409



Tritanopia
43, 84.683, 39.311

Trichromacy



Original Color
43, 86.581, 41.065

Protanomaly
40, 52.406, 57.625

Deuteranomaly
40, 60.238, 57.098

Tritanomaly
43, 85.438, 39.964

Monochromacy



Original Color
43, 86.581, 41.065

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 34.139, 32.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 86.581, 41.065 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(203, 20, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 20, 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(203, 20, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 20, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 86.581, 41.065 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(203, 20, 0) }
```

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

```
.border{ border-color:rgb(203, 20, 0) }
```

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

Here you see how a box with a 4 pixel rgb(203, 20, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 20, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 20, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 20, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 86.581, 41.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 20, 0) }
```

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

```
.background{ background-color: rgb(203, 20,  
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](#).

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