

Converting Colors

CIELCh(51, 85.095, 43.787)

Have a look what the booklet for
CIELCh(51, 85.095, 43.787) contains.

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Color

CIELCh(51, 85.071, 43.803)

Conversions

Conversions Part 1

Format	Color
Hex	E13D10
RGB	225, 61, 16
RGB Percent	88%, 24%, 6%
CMY	0.1193, 0.7623, 0.9389
CMYK	0.00, 0.73, 0.93, 0.12
HSL	13°, 87%, 47%
HSV	13°, 93%, 88%
XYZ	32.6545, 19.2686, 2.4721
YIQ	104.9060, 112.1890, 20.7730

Conversions

Conversions Part 2

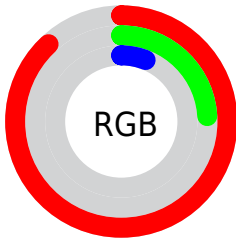
Format	Color
RYB	225, 73, 16
Decimal	14761232
CIELab	51.00, 61.40, 58.88
CIElCh	51, 85.071, 43.803
Yxy	19.2686, 0.6003, 0.3542
Android (android.graphics.Color)	4292951312 (0xFFE13D10)
YUV	104.9060, -43.8307, 105.3224
Hunter-Lab	43.8960, 55.9691, 27.3881

Details

The CIELCh color **51, 85.071, 43.803** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **68, 39.622, 236.655**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 70.987, 46.727**, and **33, 73.493, 39.709** is the 20% darker color. If you saturate the color by 10%, you get **50, 89.940, 43.674**, and if you desaturate by 10%, it is **54, 76.018, 43.488**.

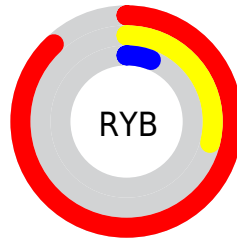
Distribution



Red (88%)

Green (24%)

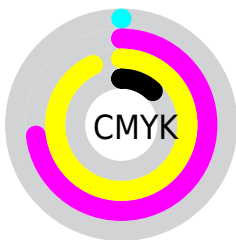
Blue (6%)



Red (88%)

Yellow (29%)

Blue (6%)

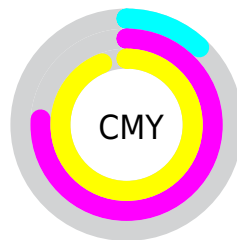


Cyan (0%)

Magenta (73%)

Yellow (93%)

Black (12%)



Cyan (12%)

Magenta (76%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 85.071, 43.803 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 51, 85.071, 43.803 by changing the saturation by 10% instead.

51, 85.071, 43.803

51, 85.071, 43.803

100, 85.071,
43.803

41, 85.071, 43.803

71, 85.071, 43.803

31, 85.071, 43.803

81, 85.071, 43.803

21, 85.071, 43.803

91, 85.071, 43.803

11, 85.071, 43.803

1, 85.071, 43.803

0, 85.071, 43.803

51, 85.071, 43.803

51, 85.071, 43.803

50, 89.940, 43.674

54, 76.018, 43.488

57, 65.533, 42.707

60, 54.832, 41.937

64, 44.464, 41.348

69, 34.669, 40.975

73, 25.537, 40.802

78, 17.084, 40.791

83, 9.283, 40.897

88, 2.087, 40.915

Harmonies

Complementary

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



51, 85.071, 43.803



68, 39.622, 236.655

Rectangle

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



51, 85.071, 43.803



51, 85.071, 93.803



51, 85.071, 223.803



51, 85.071, 273.803

Sweetspot

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



51, 85.068, 43.805



85, 23.494, 40.779



52, 89.311, 337.547



43, 16.517, 40.798



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 85.068, 43.805



56, 99.241, 43.498



71, 73.580, 80.020



44, 3.974, 40.946



39, 74.537, 44.089



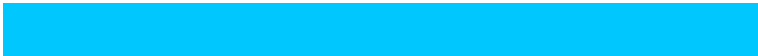
8, 22.124, 33.207

Inverse Universe

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



68, 39.622, 236.655



75, 44.477, 239.836



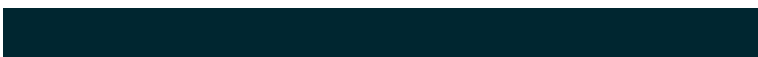
40, 87.776, 296.524



46, 3.750, 221.715



53, 33.550, 238.752



13, 13.565, 231.138

Previews

White Background



This preview shows how the CIELCh color 51, 85.071, 43.803 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 85.071, 43.803 looks on a black 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

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

CIELCh 51, 85.071, 43.803

Background



This preview shows how black text looks on a background with the CIELCh color 51, 85.071, 43.803.



This preview shows how white text looks on a background with the CIELCh color 51, 85.071, 43.803.

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

51, 85.071, 43.803

Protanopia

51, 48.803, 95.357

Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 74.754, 31.411

Trichromacy



Original Color
51, 85.071, 43.803

Protanomaly
49, 55.112, 65.998

Deuteranomaly
50, 63.642, 62.882

Tritanomaly
51, 78.867, 37.064

Monochromacy



Original Color
51, 85.071, 43.803

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 30.341, 40.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 85.071, 43.803 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(225, 61, 16)` looks like.

```
.text, #text, p{  
    color:rgb(225, 61, 16)  
}
```

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(225, 61, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 61, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 85.071, 43.803 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(225, 61, 16) }
```

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

```
.border{ border-color:rgb(225, 61, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 61, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 61, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 61, 16);  
box-shadow:4px 4px 4px 4px rgb(225, 61,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 85.071, 43.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 61, 16) }
```

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

```
.background{ background-color: rgb(225, 61,  
16) }
```

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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