

Converting Colors

CIELCh(43, 76.866, 29.601)

Have a look what the booklet for
CIELCh(43, 76.866, 29.601) contains.

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Color

CIELCh(43, 76.964, 29.754)

Conversions

Conversions Part 1

Format	Color
Hex	CB0E2B
RGB	203, 14, 43
RGB Percent	80%, 5%, 17%
CMY	0.2044, 0.9462, 0.8317
CMYK	0.00, 0.93, 0.79, 0.20
HSL	351°, 87%, 42%
HSV	351°, 93%, 80%
XYZ	25.1804, 13.1578, 3.4896
YIQ	73.8170, 103.3350, 49.0870

Conversions

Conversions Part 2

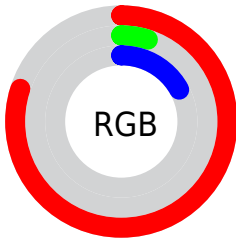
Format	Color
R _Y B	203, 14, 43
Decimal	13307435
CIE Lab	43.00, 66.82, 38.20
CIE LCh	43, 76.964, 29.754
Yxy	13.1578, 0.6020, 0.3146
Android (android.graphics.Color)	4291497515 (0xFFCB0E2B)
YUV	73.8170, -15.1928, 113.2935
Hunter-Lab	36.2736, 60.4319, 19.6877

Details

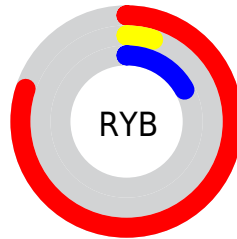
The CIELCh color **43, 76.964, 29.754** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **73, 48.415, 176.686**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.992, 29.153**, and **28, 66.016, 39.038** is the 20% darker color. If you saturate the color by 10%, you get **42, 80.914, 33.015**, and if you desaturate by 10%, it is **44, 70.489, 24.864**.

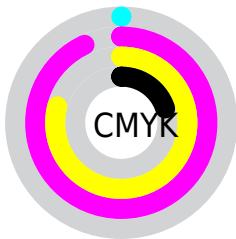
Distribution



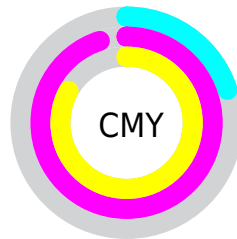
- Red (80%)
- Green (5%)
- Blue (17%)



- Red (80%)
- Yellow (5%)
- Blue (17%)



- Cyan (0%)
- Magenta (93%)
- Yellow (79%)
- Black (20%)



- Cyan (20%)
- Magenta (95%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 76.964, 29.754 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, 76.964, 29.754 by changing the saturation by 10% instead.

 43, 76.964, 29.754

 43, 76.964, 29.754

 100, 76.964,
29.754

 33, 76.964, 29.754

 63, 76.964, 29.754

 23, 76.964, 29.754

 73, 76.964, 29.754

 13, 76.964, 29.754

 83, 76.964, 29.754

 3, 76.964, 29.754

 93, 76.964, 29.754

 0, 76.964, 29.754

 43, 76.964, 29.754

 43, 76.964, 29.754

 42, 80.914, 33.015

 44, 70.489, 24.864

 47, 63.047, 20.616

■ 50, 54.758, 17.157

■ 54, 45.888, 14.416

■ 59, 36.766, 12.254

■ 64, 27.692, 10.532

■ 69, 18.880, 9.137

■ 74, 10.457, 7.976

■ 80, 2.483, 6.862

Harmonies

Complementary

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



43, 76.964, 29.754



73, 48.415, 176.686

Rectangle

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



43, 76.964, 29.754



43, 76.964, 79.754



43, 76.964, 209.754



43, 76.964, 259.754

Sweetspot

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



43, 76.961, 29.756



81, 27.763, 9.819



43, 97.008, 322.118



41, 19.371, 10.457



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, 76.961, 29.756



53, 96.853, 33.729



49, 73.958, 49.840



40, 4.453, 7.571



34, 69.073, 32.219



4, 18.100, 11.849

Inverse Universe

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



43, 76.961, 29.756



53, 96.853, 33.729



55, 41.839, 259.041



40, 4.453, 7.571



34, 69.073, 32.219



4, 18.100, 11.849

Previews

White Background



This preview shows how the CIE LCh color 43, 76.964, 29.754 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, 76.964, 29.754 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, 76.964, 29.754

Background



This preview shows how black text looks on a background with the CIELCh color 43, 76.964, 29.754.



This preview shows how white text looks on a background with the CIELCh color 43, 76.964, 29.754.

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, 76.964, 29.754

Protanopia

44, 22.859, 96.251

Deuteranopia

44, 42.407, 82.102



Tritanopia
43, 83.245, 38.846

Trichromacy



Original Color
43, 76.964, 29.754

Protanomaly
39, 37.629, 37.310

Deuteranomaly
40, 51.118, 46.612

Tritanomaly
43, 80.923, 36.003

Monochromacy



Original Color
43, 76.964, 29.754

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 32.255, 14.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 76.964, 29.754 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, 14, 43)` looks like.

```
.text, #text, p{  
    color:rgb(203, 14, 43)  
}
```

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, 14, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 14, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 76.964, 29.754 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, 14, 43) }
```

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

```
.border{ border-color:rgb(203, 14, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 14, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 14, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 14, 43);  
box-shadow:4px 4px 4px 4px rgb(203, 14,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 76.964, 29.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 14, 43) }
```

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

```
.background{ background-color: rgb(203, 14,  
43) }
```

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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