

Converting Colors

CIELCh(43, 77.005, 27.027)

Have a look what the booklet for
CIELCh(43, 77.005, 27.027) contains.

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Color

CIELCh(43, 77.096, 26.873)

Conversions

Conversions Part 1

Format	Color
Hex	CD0031
RGB	205, 0, 49
RGB Percent	80%, 0%, 19%
CMY	0.1973, 0.9993, 0.8087
CMYK	0.00, 1.00, 0.76, 0.20
HSL	346°, 100%, 40%
HSV	346°, 100%, 80%
XYZ	25.6426, 13.1578, 4.0707
YIQ	66.8810, 106.4510, 58.6990

Conversions

Conversions Part 2

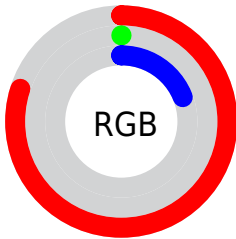
Format	Color
RYB	205, 0, 49
Decimal	13434929
CIELab	43.00, 68.77, 34.85
CIElCh	43, 77.096, 26.873
Yxy	13.1578, 0.5981, 0.3069
Android (android.graphics.Color)	4291625009 (0xFFCD0031)
YUV	66.8810, -8.8153, 121.1304
Hunter-Lab	36.2736, 62.7065, 18.7378

Details

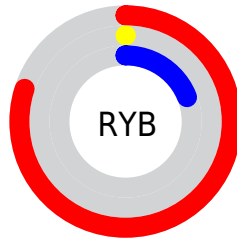
The CIELCh color **43, 77.096, 26.873** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **73, 55.386, 167.059**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 71.567, 25.885**, and **29, 65.595, 37.719** is the 20% darker color. If you saturate the color by 10%, you get **43, 77.135, 26.917**, and if you desaturate by 10%, it is **44, 72.231, 21.537**.

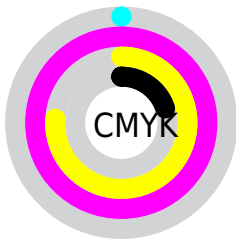
Distribution



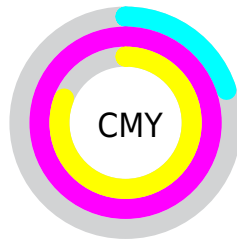
- Red (80%)
- Green (0%)
- Blue (19%)



- Red (80%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 77.096, 26.873 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, 77.096, 26.873 by changing the saturation by 10% instead.

 43, 77.096, 26.873

 43, 77.096, 26.873

 100, 77.096,
26.873

 33, 77.096, 26.873

 63, 77.096, 26.873

 23, 77.096, 26.873

 73, 77.096, 26.873


 13, 77.096, 26.873

 83, 77.096, 26.873

 3, 77.096, 26.873

 93, 77.096, 26.873

 0, 77.096, 26.873

 43, 77.096, 26.873

 43, 77.096, 26.873

 43, 77.135, 26.917

 44, 72.231, 21.537

 46, 66.569, 16.756

■ 48, 59.742, 12.851

■ 52, 51.867, 9.751

■ 56, 43.270, 7.302

■ 61, 34.321, 5.347

■ 66, 25.334, 3.758

■ 71, 16.530, 2.437

■ 77, 8.043, 1.300

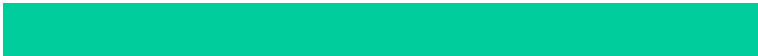
Harmonies

Complementary

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



43, 77.096, 26.873



73, 55.386, 167.059

Rectangle

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



43, 77.096, 26.873



43, 77.096, 76.873



43, 77.096, 206.873



43, 77.096, 256.873

Sweetspot

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



43, 77.093, 26.875



80, 30.390, 3.826



40, 100.584, 318.937



40, 20.882, 4.472



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, 77.093, 26.875



54, 91.590, 27.705



46, 82.345, 45.047



40, 4.582, 1.243



34, 65.482, 25.985



4, 18.326, 7.868

Inverse Universe

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



43, 77.093, 26.875



54, 91.590, 27.705



59, 38.830, 246.566



40, 4.582, 1.243



34, 65.482, 25.985



4, 18.326, 7.868

Previews

White Background



This preview shows how the CIELCh color 43, 77.096, 26.873 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, 77.096, 26.873 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, 77.096, 26.873

Background



This preview shows how black text looks on a background with the CIELCh color 43, 77.096, 26.873.



This preview shows how white text looks on a background with the CIELCh color 43, 77.096, 26.873.

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, 77.164, 26.818

Protanopia

44, 18.168, 95.962

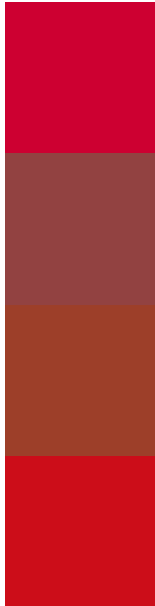
Deuteranopia

44, 39.130, 81.672



Tritanopia
43, 84.557, 39.062

Trichromacy



Original Color
43, 77.164, 26.818

Protanomaly
39, 37.708, 26.726

Deuteranomaly
39, 50.078, 40.938

Tritanomaly
43, 82.140, 35.647

Monochromacy



Original Color
43, 77.164, 26.818

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 34.665, 10.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 77.096, 26.873 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, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(205, 0, 49)  
}
```

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, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 0, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 77.096, 26.873 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, 0, 49) }
```

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

```
.border{ border-color:rgb(205, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(205, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(205, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 77.096, 26.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 0, 49) }
```

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

```
.background{ background-color: rgb(205, 0,  
49) }
```

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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