

Converting Colors

CIELCh(42, 76.449, 27.308)

Have a look what the booklet for
CIELCh(42, 76.449, 27.308) contains.

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Color

CIELCh(42, 76.473, 27.562)

Conversions

Conversions Part 1

Format	Color
Hex	C8002E
RGB	200, 0, 46
RGB Percent	78%, 0%, 18%
CMY	0.2140, 1.0000, 0.8211
CMYK	0.00, 1.00, 0.77, 0.21
HSL	346°, 100%, 39%
HSV	346°, 100%, 79%
XYZ	24.4043, 12.5000, 3.6718
YIQ	65.0440, 104.4340, 56.7060

Conversions

Conversions Part 2

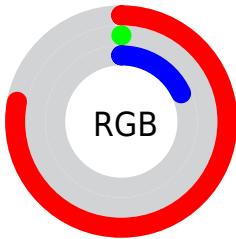
Format	Color
RYB	200, 0, 46
Decimal	13107246
CIELab	42.00, 67.79, 35.38
CIElCh	42, 76.473, 27.562
Yxy	12.5000, 0.6014, 0.3081
Android (android.graphics.Color)	4291297326 (0xFFC8002E)
YUV	65.0440, -9.3887, 118.3564
Hunter-Lab	35.3553, 61.3391, 18.5913

Details

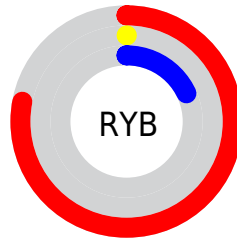
The CIELCh color **42, 76.473, 27.562** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **72, 53.810, 168.024**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 72.410, 26.859**, and **28, 64.854, 38.894** is the 20% darker color. If you saturate the color by 10%, you get **42, 76.366, 27.651**, and if you desaturate by 10%, it is **43, 71.415, 22.359**.

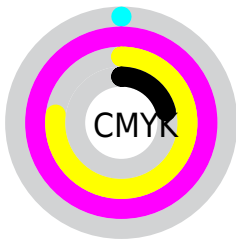
Distribution



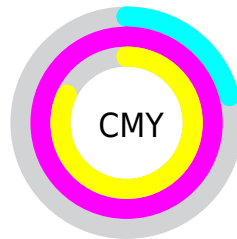
- Red (78%)
- Green (0%)
- Blue (18%)



- Red (78%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 76.473, 27.562 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 42, 76.473, 27.562 by changing the saturation by 10% instead.

 42, 76.473, 27.562

 42, 76.473, 27.562

 100, 76.473,
27.562

 32, 76.473, 27.562

 62, 76.473, 27.562

 22, 76.473, 27.562

 72, 76.473, 27.562

 12, 76.473, 27.562

 82, 76.473, 27.562

 2, 76.473, 27.562

 92, 76.473, 27.562

 0, 76.473, 27.562

 42, 76.473, 27.562

 42, 76.473, 27.562

 42, 76.366, 27.651

 43, 71.415, 22.359

 45, 65.704, 17.575

■ 47, 58.881, 13.653

■ 51, 51.064, 10.536

■ 55, 42.567, 8.073

■ 60, 33.747, 6.108

■ 65, 24.908, 4.515

■ 70, 16.264, 3.192

■ 75, 7.942, 2.056

Harmonies

Complementary

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



42, 76.473, 27.562



72, 53.810, 168.024

Rectangle

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



42, 76.473, 27.562



42, 76.473, 77.562



42, 76.473, 207.562



42, 76.473, 257.562

Sweetspot

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



42, 76.366, 27.651



80, 30.309, 4.576



40, 98.760, 319.509



40, 20.833, 5.225



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 76.366, 27.651



54, 92.195, 28.516



46, 80.412, 45.756



39, 4.469, 1.988



34, 65.097, 26.734



4, 16.262, 7.782

Inverse Universe

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



42, 76.366, 27.651



54, 92.195, 28.516



57, 39.007, 249.945



39, 4.469, 1.988



34, 65.097, 26.734



4, 16.262, 7.782

Previews

White Background



This preview shows how the CIELCh color 42, 76.473, 27.562 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 42, 76.473, 27.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

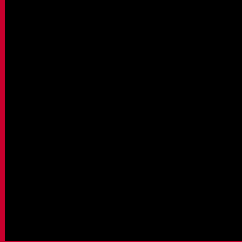
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 76.473, 27.562

Background



This preview shows how black text looks on a background with the CIELCh color 42, 76.473, 27.562.



This preview shows how white text looks on a background with the CIELCh color 42, 76.473, 27.562.

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

42, 76.122, 27.450

Protanopia

43, 19.951, 96.571

Deuteranopia

43, 39.868, 82.512



Tritanopia
42, 83.827, 39.458

Trichromacy



Original Color
42, 76.122, 27.450

Protanomaly
38, 37.704, 30.146

Deuteranomaly
39, 49.962, 42.175

Tritanomaly
42, 81.551, 36.230

Monochromacy



Original Color
42, 76.122, 27.450

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.339, 10.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 76.473, 27.562 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(200, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 46)  
}
```

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(200, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 76.473, 27.562 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(200, 0, 46) }
```

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

```
.border{ border-color:rgb(200, 0, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 0, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(200, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 76.473, 27.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 46) }
```

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

```
.background{ background-color: rgb(200, 0,  
46) }
```

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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