

Converting Colors

CIELCh(42, 77.819, 28.425)

Have a look what the booklet for
CIELCh(42, 77.819, 28.425) contains.

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Color

CIELCh(42, 77.208, 28.736)

Conversions

Conversions Part 1

Format	Color
Hex	C9002B
RGB	201, 0, 43
RGB Percent	79%, 0%, 17%
CMY	0.2135, 1.0000, 0.8326
CMYK	0.00, 1.00, 0.79, 0.21
HSL	347°, 100%, 39%
HSV	347°, 100%, 79%
XYZ	24.3825, 12.5000, 3.3839
YIQ	65.0010, 105.9930, 55.9850

Conversions

Conversions Part 2

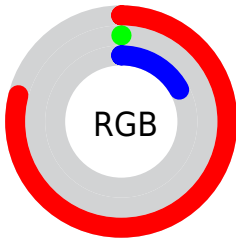
Format	Color
RYB	201, 0, 43
Decimal	13172779
CIELab	42.00, 67.70, 37.12
CIElCh	42, 77.208, 28.736
Yxy	12.5000, 0.6055, 0.3104
Android (android.graphics.Color)	4291362859 (0xFFC9002B)
YUV	65.0010, -10.8465, 119.2711
Hunter-Lab	35.3553, 61.2289, 19.0741

Details

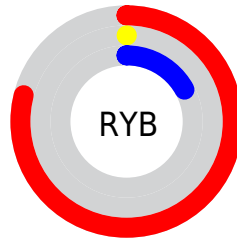
The CIELCh color **42, 77.208, 28.736** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **72, 52.823, 169.443**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 73.021, 28.069**, and **28, 65.243, 38.943** is the 20% darker color. If you saturate the color by 10%, you get **42, 77.123, 28.807**, and if you desaturate by 10%, it is **43, 71.954, 23.562**.

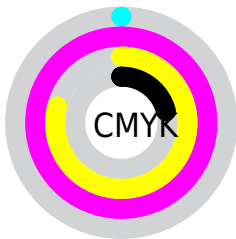
Distribution



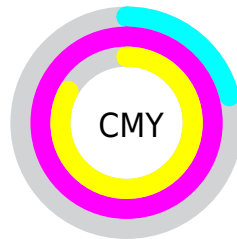
- Red (79%)
- Green (0%)
- Blue (17%)



- Red (79%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 77.208, 28.736 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, 77.208, 28.736 by changing the saturation by 10% instead.

 42, 77.208, 28.736

 42, 77.208, 28.736

 100, 77.208,
28.736

 32, 77.208, 28.736

 62, 77.208, 28.736

 22, 77.208, 28.736

 72, 77.208, 28.736

 12, 77.208, 28.736

 82, 77.208, 28.736

 2, 77.208, 28.736

 92, 77.208, 28.736

 0, 77.208, 28.736

 42, 77.208, 28.736

 42, 77.208, 28.736

 42, 77.123, 28.807

 43, 71.954, 23.562

 45, 66.035, 18.769

■ 47, 59.048, 14.820

■ 51, 51.115, 11.674

■ 55, 42.542, 9.189

■ 60, 33.681, 7.211

■ 65, 24.830, 5.610

■ 70, 16.196, 4.286

■ 75, 7.901, 3.152

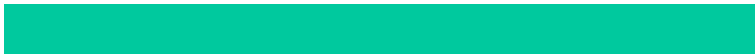
Harmonies

Complementary

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



42, 77.208, 28.736



72, 52.823, 169.443

Rectangle

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



42, 77.208, 28.736



42, 77.208, 78.736



42, 77.208, 208.736



42, 77.208, 258.736

Sweetspot

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



42, 77.123, 28.807



80, 30.202, 5.672



40, 98.541, 320.082



40, 20.769, 6.323



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, 77.123, 28.807



54, 93.096, 29.655



46, 79.763, 46.473



39, 4.444, 3.084



34, 65.691, 27.900



3, 16.218, 8.512

Inverse Universe

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



42, 77.123, 28.807



54, 93.096, 29.655



56, 39.937, 253.249



39, 4.444, 3.084



34, 65.691, 27.900



3, 16.218, 8.512

Previews

White Background



This preview shows how the CIELCh color 42, 77.208, 28.736 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, 77.208, 28.736 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, 77.208, 28.736

Background



This preview shows how black text looks on a background with the CIELCh color 42, 77.208, 28.736.



This preview shows how white text looks on a background with the CIELCh color 42, 77.208, 28.736.

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, 77.208, 28.736

Protanopia

43, 21.759, 95.877

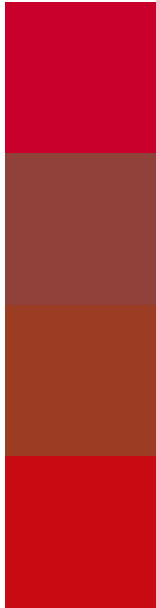
Deuteranopia

43, 41.608, 81.636



Tritanopia
42, 84.705, 40.062

Trichromacy



Original Color
42, 77.208, 28.736

Protanomaly
38, 38.637, 31.806

Deuteranomaly
38, 51.522, 43.547

Tritanomaly
42, 82.358, 36.923

Monochromacy



Original Color
42, 77.208, 28.736

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 34.356, 11.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 77.208, 28.736 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(201, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 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(201, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 77.208, 28.736 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(201, 0, 43) }
```

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

```
.border{ border-color:rgb(201, 0, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 77.208, 28.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 43) }
```

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

```
.background{ background-color: rgb(201, 0,  
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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