

Converting Colors

CIELCh(42, 73.472, 21.242)

Have a look what the booklet for
CIELCh(42, 73.472, 21.242) contains.

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Color

CIELCh(42, 73.159, 21.452)

Conversions

Conversions Part 1

Format	Color
Hex	C7003C
RGB	199, 0, 60
RGB Percent	78%, 0%, 24%
CMY	0.2177, 1.0000, 0.7661
CMYK	0.00, 1.00, 0.70, 0.22
HSL	342°, 100%, 39%
HSV	342°, 100%, 78%
XYZ	24.4727, 12.5000, 5.3480
YIQ	66.3410, 99.3440, 60.8480

Conversions

Conversions Part 2

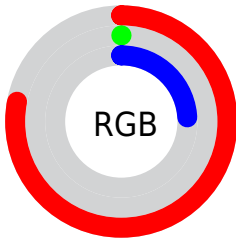
Format	Color
RYB	199, 0, 60
Decimal	13041724
CIELab	42.00, 68.09, 26.76
CIELCh	42, 73.159, 21.452
Yxy	12.5000, 0.5783, 0.2954
Android (android.graphics.Color)	4291231804 (0xFFC7003C)
YUV	66.3410, -3.1261, 116.3419
Hunter-Lab	35.3553, 61.6845, 15.7803

Details

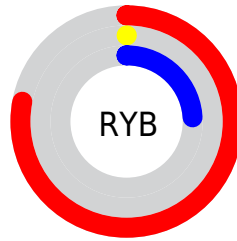
The CIELCh color **42, 73.159, 21.452** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **72, 58.753, 161.814**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 69.931, 20.453**, and **28, 59.773, 32.230** is the 20% darker color. If you saturate the color by 10%, you get **42, 73.051, 21.535**, and if you desaturate by 10%, it is **43, 69.221, 16.237**.

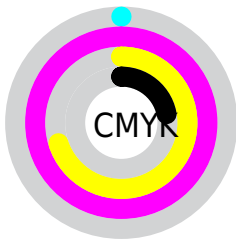
Distribution



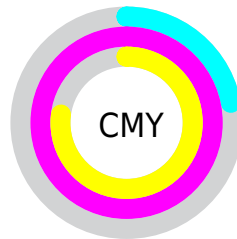
- Red (78%)
- Green (0%)
- Blue (24%)



- Red (78%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (22%)



- Cyan (22%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 73.159, 21.452 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, 73.159, 21.452 by changing the saturation by 10% instead.

 42, 73.159, 21.452

 42, 73.159, 21.452

 100, 73.159,
21.452

 32, 73.159, 21.452

 62, 73.159, 21.452

 22, 73.159, 21.452


 72, 73.159, 21.452

 12, 73.159, 21.452

 82, 73.159, 21.452

 2, 73.159, 21.452

 92, 73.159, 21.452

 0, 73.159, 21.452

 42, 73.159, 21.452

 42, 73.159, 21.452

 42, 73.051, 21.535

 43, 69.221, 16.237

 45, 64.480, 11.640

■ 47, 58.385, 7.948

■ 51, 51.068, 5.032

■ 55, 42.875, 2.721

■ 59, 34.202, 0.861

■ 64, 25.381,
359.333

■ 70, 16.652,
358.046

■ 75, 8.167, 356.924

Harmonies

Complementary

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



42, 73.159, 21.452



72, 58.753, 161.814

Rectangle

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



42, 73.159, 21.452



42, 73.159, 71.452



42, 73.159, 201.452



42, 73.159, 251.452

Sweetspot

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



42, 73.051, 21.535



80, 30.997, 359.394



37, 99.562, 317.314



40, 21.258, 0.018



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, 73.051, 21.535



54, 88.340, 22.447



44, 82.628, 43.375



39, 4.614, 356.858



34, 62.633, 20.618



4, 16.515, 4.284

Inverse Universe

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



42, 73.051, 21.535



54, 88.340, 22.447



61, 36.538, 235.795



39, 4.614, 356.858



34, 62.633, 20.618



4, 16.515, 4.284

Previews

White Background



This preview shows how the CIELCh color 42, 73.159, 21.452 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, 73.159, 21.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

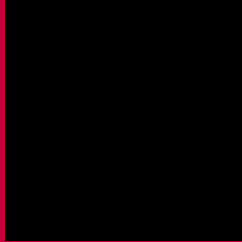
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 73.159, 21.452

Background



This preview shows how black text looks on a background with the CIELCh color 42, 73.159, 21.452.



This preview shows how white text looks on a background with the CIELCh color 42, 73.159, 21.452.

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, 72.823, 21.295

Protanopia

43, 8.083, 93.359

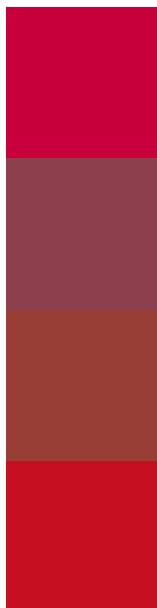
Deuteranopia

43, 31.246, 79.975



Tritanopia
43, 80.580, 37.683

Trichromacy



Original Color
42, 72.823, 21.295

Protanomaly
37, 34.502, 12.018

Deuteranomaly
39, 44.209, 32.761

Tritanomaly
42, 77.794, 32.754

Monochromacy



Original Color
42, 72.823, 21.295

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 34.431, 4.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 73.159, 21.452 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(199, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 60)  
}
```

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(199, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 73.159, 21.452 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(199, 0, 60) }
```

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

```
.border{ border-color:rgb(199, 0, 60) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 73.159, 21.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 60) }
```

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

```
.background{ background-color: rgb(199, 0,  
60) }
```

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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