

Converting Colors

CIELCh(42, 72.843, 21.416)

Have a look what the booklet for
CIELCh(42, 72.843, 21.416) contains.

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Color

CIELCh(42, 72.747, 21.353)

Conversions

Conversions Part 1

Format	Color
Hex	C7013C
RGB	199, 1, 60
RGB Percent	78%, 0%, 24%
CMY	0.2194, 0.9954, 0.7646
CMYK	0.00, 0.99, 0.70, 0.22
HSL	342°, 99%, 39%
HSV	342°, 99%, 78%
XYZ	24.3949, 12.5000, 5.4068
YIQ	66.9280, 99.0690, 60.3250

Conversions

Conversions Part 2

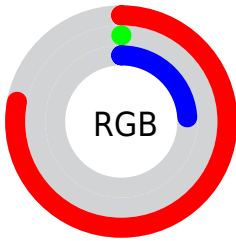
Format	Color
RYB	199, 1, 60
Decimal	13041980
CIELab	42.00, 67.75, 26.49
CIElCh	42, 72.747, 21.353
Yxy	12.5000, 0.5767, 0.2955
Android (android.graphics.Color)	4291232060 (0xFFC7013C)
YUV	66.9280, -3.4155, 115.8271
Hunter-Lab	35.3553, 61.2916, 15.6816

Details

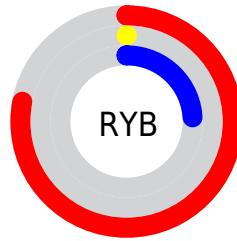
The CIELCh color **42, 72.747, 21.353** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **71, 58.376, 162.059**, and the grayscale version is **28, 0.004, 296.813**.

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, 72.982, 21.661**, and if you desaturate by 10%, it is **43, 68.887, 16.066**.

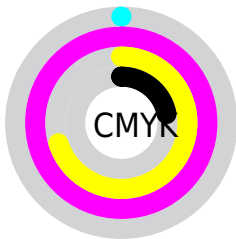
Distribution



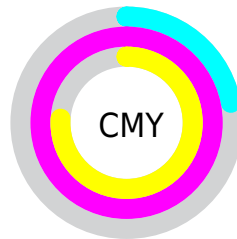
- Red (78%)
- Green (0%)
- Blue (24%)



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



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (22%)



- Cyan (22%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 72.747, 21.353 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, 72.747, 21.353 by changing the saturation by 10% instead.

■ 42, 72.747, 21.353

■ 42, 72.747, 21.353

■ 100, 72.747,
21.353

■ 32, 72.747, 21.353

■ 62, 72.747, 21.353

■ 22, 72.747, 21.353

■ 72, 72.747, 21.353

■ 12, 72.747, 21.353

■ 82, 72.747, 21.353

■ 2, 72.747, 21.353

■ 92, 72.747, 21.353

■ 0, 72.747, 21.353

■ 42, 72.747, 21.353

■ 42, 72.747, 21.353

■ 42, 72.982, 21.661

■ 43, 68.887, 16.066

■ 45, 64.058, 11.519

■ 48, 57.880, 7.873

■ 51, 50.504, 4.993

■ 55, 42.283, 2.710

■ 60, 33.606, 0.870

■ 65, 24.802,
359.356

■ 70, 16.104,
358.081

■ 75, 7.656, 356.966

Harmonies

Complementary

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



42, 72.747, 21.353



71, 58.376, 162.059

Rectangle

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



42, 72.747, 21.353



42, 72.747, 71.353



42, 72.747, 201.353



42, 72.747, 251.353

Sweetspot

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



42, 72.744, 21.355



80, 30.980, 359.500



37, 99.210, 317.350



40, 21.247, 0.125



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, 72.744, 21.355



54, 88.410, 22.583



44, 82.076, 43.327



39, 4.611, 356.963



34, 62.677, 20.754



4, 16.508, 4.359

Inverse Universe

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



42, 72.744, 21.355



54, 88.410, 22.583



61, 36.426, 235.569



39, 4.611, 356.963



34, 62.677, 20.754



4, 16.508, 4.359

Previews

White Background



This preview shows how the CIELCh color 42, 72.747, 21.353 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, 72.747, 21.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

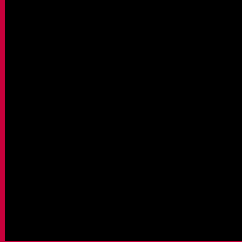
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 72.747, 21.353

Background



This preview shows how black text looks on a background with the CIELCh color 42, 72.747, 21.353.



This preview shows how white text looks on a background with the CIELCh color 42, 72.747, 21.353.

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, 72.747, 21.353

Protanopia

43, 7.506, 92.267

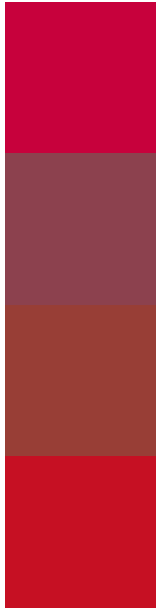
Deuteranopia

43, 31.246, 79.975



Tritanopia
42, 80.217, 37.662

Trichromacy



Original Color
42, 72.747, 21.353

Protanomaly
38, 34.045, 12.684

Deuteranomaly
39, 44.209, 32.761

Tritanomaly
42, 77.076, 32.418

Monochromacy



Original Color
42, 72.747, 21.353

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 33.957, 5.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 72.747, 21.353 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, 1, 60)` looks like.

```
.text, #text, p{  
    color:rgb(199, 1, 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, 1, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 1, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 72.747, 21.353 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, 1, 60) }
```

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

```
.border{ border-color:rgb(199, 1, 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, 1, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 1, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 1, 60);  
box-shadow:4px 4px 4px 4px rgb(199, 1, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 72.747, 21.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 1, 60) }
```

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

```
.background{ background-color: rgb(199, 1,  
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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