

Converting Colors

CIELCh(42, 75.158, 27.088)

Have a look what the booklet for
CIELCh(42, 75.158, 27.088) contains.

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Color

CIELCh(42, 75.182, 27.226)

Conversions

Conversions Part 1

Format	Color
Hex	C7062F
RGB	199, 6, 47
RGB Percent	78%, 2%, 18%
CMY	0.2188, 0.9779, 0.8151
CMYK	0.00, 0.97, 0.76, 0.22
HSL	347°, 94%, 40%
HSV	347°, 97%, 78%
XYZ	24.1880, 12.5000, 3.8429
YIQ	68.3810, 101.8670, 53.6670

Conversions

Conversions Part 2

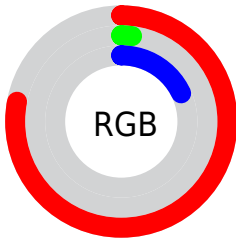
Format	Color
RYB	199, 6, 47
Decimal	13043247
CIELab	42.00, 66.85, 34.40
CIElCh	42, 75.182, 27.226
Yxy	12.5000, 0.5968, 0.3084
Android (android.graphics.Color)	4291233327 (0xFFC7062F)
YUV	68.3810, -10.5408, 114.5529
Hunter-Lab	35.3553, 60.2471, 18.3042

Details

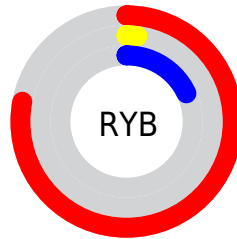
The CIELCh color **42, 75.182, 27.226** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **72, 52.076, 169.825**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.950, 26.713**, and **27, 63.988, 38.263** is the 20% darker color. If you saturate the color by 10%, you get **42, 76.648, 28.663**, and if you desaturate by 10%, it is **43, 69.965, 21.982**.

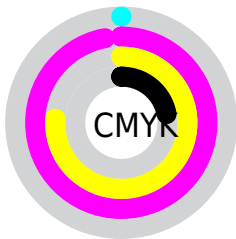
Distribution



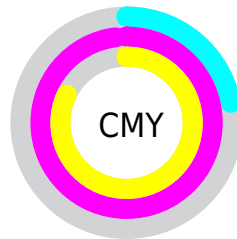
- Red (78%)
- Green (2%)
- Blue (18%)



- Red (78%)
- Yellow (2%)
- Blue (18%)



- Cyan (0%)
- Magenta (97%)
- Yellow (76%)
- Black (22%)



- Cyan (22%)
- Magenta (98%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 75.182, 27.226 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, 75.182, 27.226 by changing the saturation by 10% instead.

■ 42, 75.182, 27.226

■ 42, 75.182, 27.226

■ 100, 75.182,
27.226

■ 32, 75.182, 27.226

■ 62, 75.182, 27.226

■ 22, 75.182, 27.226

■ 72, 75.182, 27.226

■ 12, 75.182, 27.226

■ 82, 75.182, 27.226

■ 2, 75.182, 27.226

■ 92, 75.182, 27.226

■ 0, 75.182, 27.226

■ 42, 75.182, 27.226

■ 42, 75.182, 27.226

■ 42, 76.648, 28.663

■ 43, 69.965, 21.982

■ 45, 63.797, 17.427

■ 48, 56.570, 13.723

■ 52, 48.472, 10.786

■ 56, 39.836, 8.463

■ 61, 31.003, 6.607

■ 66, 22.244, 5.095

■ 71, 13.742, 3.835

■ 76, 5.596, 2.730

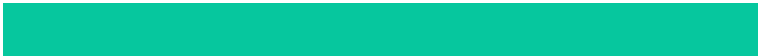
Harmonies

Complementary

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



42, 75.182, 27.226



72, 52.076, 169.825

Rectangle

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



42, 75.182, 27.226



42, 75.182, 77.226



42, 75.182, 207.226



42, 75.182, 257.226

Sweetspot

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



42, 75.179, 27.228



81, 29.147, 5.411



40, 97.287, 320.221



40, 20.164, 6.057



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, 75.179, 27.228



54, 93.001, 29.539



46, 77.416, 46.622



39, 4.446, 2.970



34, 65.628, 27.780



3, 16.223, 8.436

Inverse Universe

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



42, 75.179, 27.228



54, 93.001, 29.539



56, 39.164, 251.886



39, 4.446, 2.970



34, 65.628, 27.780



3, 16.223, 8.436

Previews

White Background



This preview shows how the CIELCh color 42, 75.182, 27.226 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, 75.182, 27.226 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, 75.182, 27.226

Background



This preview shows how black text looks on a background with the CIELCh color 42, 75.182, 27.226.



This preview shows how white text looks on a background with the CIELCh color 42, 75.182, 27.226.

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, 75.112, 27.286

Protanopia

43, 18.258, 95.866

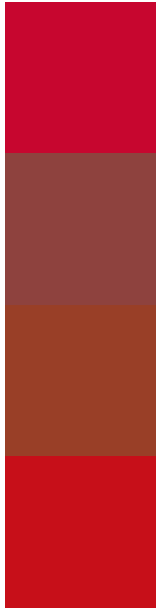
Deuteranopia

43, 38.552, 81.912



Tritanopia
42, 82.806, 39.019

Trichromacy



Original Color
42, 75.112, 27.286

Protanomaly
38, 36.475, 29.174

Deuteranomaly
39, 48.955, 42.337

Tritanomaly
42, 80.194, 35.573

Monochromacy



Original Color
42, 75.112, 27.286

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 33.357, 11.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 75.182, 27.226 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, 6, 47)` looks like.

```
.text, #text, p{  
    color:rgb(199, 6, 47)  
}
```

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, 6, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 6, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 75.182, 27.226 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, 6, 47) }
```

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

```
.border{ border-color:rgb(199, 6, 47) }
```

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

Here you see how a box with a 4 pixel rgb(199, 6, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 6, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 6, 47);  
box-shadow:4px 4px 4px 4px rgb(199, 6, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 75.182, 27.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 6, 47) }
```

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

```
.background{ background-color: rgb(199, 6,  
47) }
```

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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