

Converting Colors

CIELCh(42, 70.903, 15.576)

Have a look what the booklet for
CIELCh(42, 70.903, 15.576) contains.

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Color

CIELCh(42, 70.767, 15.464)

Conversions

Conversions Part 1

Format	Color
Hex	C60048
RGB	198, 0, 72
RGB Percent	78%, 0%, 28%
CMY	0.2230, 0.9985, 0.7173
CMYK	0.00, 1.00, 0.64, 0.22
HSL	338°, 100%, 39%
HSV	338°, 100%, 78%
XYZ	24.4991, 12.5000, 7.2683
YIQ	67.4100, 94.8960, 64.3680

Conversions

Conversions Part 2

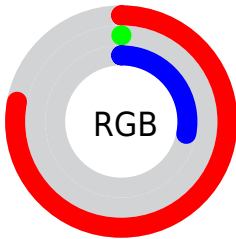
Format	Color
RYB	198, 0, 72
Decimal	12976200
CIELab	42.00, 68.21, 18.87
CIElCh	42, 70.767, 15.464
Yxy	12.5000, 0.5534, 0.2824
Android (android.graphics.Color)	4291166280 (0xFFC60048)
YUV	67.4100, 2.2629, 114.5274
Hunter-Lab	35.3553, 61.8177, 12.5600

Details

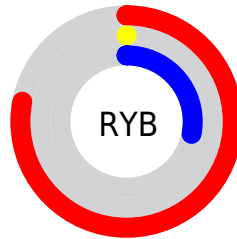
The CIELCh color **42, 70.767, 15.464** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **71, 63.174, 157.156**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 68.654, 14.551**, and **28, 56.797, 26.317** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.824, 15.566**, and if you desaturate by 10%, it is **43, 67.888, 10.441**.

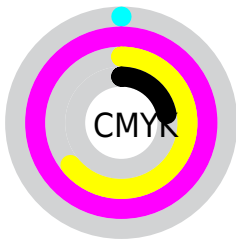
Distribution



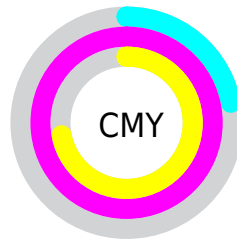
- Red (78%)
- Green (0%)
- Blue (28%)



- Red (78%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (22%)



- Cyan (22%)
- Magenta (100%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 70.767, 15.464 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, 70.767, 15.464 by changing the saturation by 10% instead.

 42, 70.767, 15.464

 42, 70.767, 15.464

 100, 70.767,
15.464

 32, 70.767, 15.464

 62, 70.767, 15.464

 22, 70.767, 15.464

 72, 70.767, 15.464

 12, 70.767, 15.464

 82, 70.767, 15.464

 2, 70.767, 15.464

 92, 70.767, 15.464

 0, 70.767, 15.464

 42, 70.767, 15.464

 42, 70.767, 15.464

 42, 70.824, 15.566

 43, 67.888, 10.441

 45, 63.865, 6.203

■ 47, 58.265, 2.841

■ 51, 51.261, 0.189

■ 55, 43.236,
358.075

■ 59, 34.613,
356.356

■ 64, 25.747,
354.924

■ 69, 16.897,
353.703

■ 75, 8.231, 352.625

Harmonies

Complementary

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



42, 70.767, 15.464



71, 63.174, 157.156

Rectangle

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



42, 70.767, 15.464



42, 70.767, 65.464



42, 70.767, 195.464



42, 70.767, 245.464

Sweetspot

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



42, 70.764, 15.466



81, 31.831, 355.010



35, 100.283, 315.308



40, 21.792, 355.599



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, 70.764, 15.466



54, 85.908, 16.477



42, 84.062, 41.671



39, 4.774, 352.581



34, 61.171, 14.711



4, 16.820, 0.963

Inverse Universe

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



42, 70.764, 15.466



54, 85.908, 16.477



65, 36.194, 221.180



39, 4.774, 352.581



34, 61.171, 14.711



4, 16.820, 0.963

Previews

White Background



This preview shows how the CIELCh color 42, 70.767, 15.464 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, 70.767, 15.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

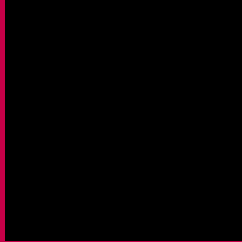
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 70.767, 15.464

Background



This preview shows how black text looks on a background with the CIELCh color 42, 70.767, 15.464.



This preview shows how white text looks on a background with the CIELCh color 42, 70.767, 15.464.

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, 70.767, 15.464

Protanopia

43, 3.046, 298.296

Deuteranopia

43, 24.038, 76.082



Tritanopia
42, 77.684, 36.615

Trichromacy



Original Color
42, 70.767, 15.464

Protanomaly
37, 34.784, 355.076

Deuteranomaly
38, 40.746, 23.575

Tritanomaly
42, 74.326, 29.617

Monochromacy



Original Color
42, 70.767, 15.464

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 34.398, 0.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 70.767, 15.464 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(198, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 72)  
}
```

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(198, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 70.767, 15.464 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(198, 0, 72) }
```

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

```
.border{ border-color:rgb(198, 0, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 0, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(198, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 70.767, 15.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 72) }
```

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

```
.background{ background-color: rgb(198, 0,  
72) }
```

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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