

Converting Colors

CIELCh(40, 75.769, 15.805)

Have a look what the booklet for
CIELCh(40, 75.769, 15.805) contains.

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Color

CIELCh(42, 71.673, 18.811)

Conversions

Conversions Part 1

Format	Color
Hex	C70241
RGB	199, 2, 65
RGB Percent	78%, 1%, 25%
CMY	0.2214, 0.9938, 0.7436
CMYK	0.00, 0.99, 0.67, 0.22
HSL	341°, 98%, 39%
HSV	341°, 99%, 78%
XYZ	24.4159, 12.5000, 6.1868
YIQ	68.0850, 97.1890, 61.3570

Conversions

Conversions Part 2

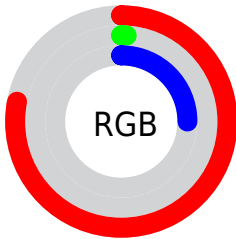
Format	Color
R_{YB}	199, 2, 65
Decimal	13042241
CIE _{Lab}	42.00, 67.84, 23.11
CIE _{LCh}	42, 71.673, 18.811
Yxy	12.5000, 0.5665, 0.2900
Android (android.graphics.Color)	4291232321 (0xFFC70241)
YUV	68.0850, -1.5209, 114.8125
Hunter-Lab	35.3553, 61.3980, 14.3736

Details

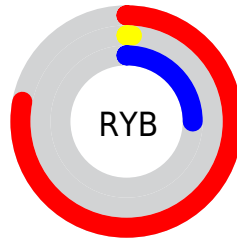
The CIELCh color **42, 71.673, 18.811** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **71, 60.171, 160.048**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 69.036, 18.459**, and **28, 58.749, 29.827** is the 20% darker color. If you saturate the color by 10%, you get **42, 71.954, 19.220**, and if you desaturate by 10%, it is **43, 68.217, 13.614**.

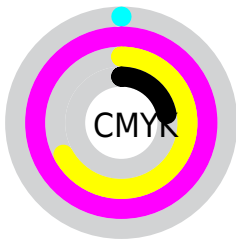
Distribution



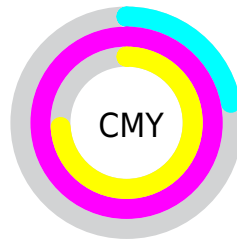
- Red (78%)
- Green (1%)
- Blue (25%)



- Red (78%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (99%)
- Yellow (67%)
- Black (22%)



- Cyan (22%)
- Magenta (99%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 71.673, 18.811 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, 71.673, 18.811 by changing the saturation by 10% instead.


 42, 71.673, 18.811

 42, 71.673, 18.811

 100, 71.673,
18.811

 32, 71.673, 18.811

 62, 71.673, 18.811

 22, 71.673, 18.811

 72, 71.673, 18.811

 12, 71.673, 18.811

 82, 71.673, 18.811

 2, 71.673, 18.811

 92, 71.673, 18.811

 0, 71.673, 18.811

 42, 71.673, 18.811

 42, 71.673, 18.811

 42, 71.954, 19.220

 43, 68.217, 13.614

 45, 63.683, 9.210

■ 48, 57.708, 5.699

■ 51, 50.460, 2.928

■ 55, 42.308, 0.726

■ 60, 33.655,
358.945

■ 65, 24.837,
357.470

■ 70, 16.094,
356.220

■ 75, 7.577, 355.121

Harmonies

Complementary

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



42, 71.673, 18.811



71, 60.171, 160.048

Rectangle

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



42, 71.673, 18.811



42, 71.673, 68.811



42, 71.673, 198.811



42, 71.673, 248.811

Sweetspot

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



42, 71.670, 18.813



81, 31.301, 357.639



36, 99.579, 316.330



40, 21.452, 358.251



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, 71.670, 18.813



54, 87.255, 20.146



43, 82.864, 42.357



39, 4.674, 355.140



34, 61.967, 18.332



4, 16.624, 3.012

Inverse Universe

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



42, 71.670, 18.813



54, 87.255, 20.146



63, 36.020, 228.214



39, 4.674, 355.140



34, 61.967, 18.332



4, 16.624, 3.012

Previews

White Background



This preview shows how the CIELCh color 42, 71.673, 18.811 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, 71.673, 18.811 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, 71.673, 18.811

Background



This preview shows how black text looks on a background with the CIELCh color 42, 71.673, 18.811.



This preview shows how white text looks on a background with the CIELCh color 42, 71.673, 18.811.

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, 71.843, 19.101

Protanopia

43, 3.246, 86.692

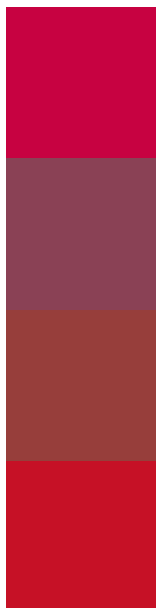
Deuteranopia

43, 27.921, 78.599



Tritanopia
42, 78.857, 37.085

Trichromacy



Original Color
42, 71.843, 19.101

Protanomaly
38, 33.417, 4.876

Deuteranomaly
38, 42.543, 29.143

Tritanomaly
42, 76.187, 31.427

Monochromacy



Original Color
42, 71.843, 19.101

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 33.689, 2.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 71.673, 18.811 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, 2, 65)` looks like.

```
.text, #text, p{  
  color:rgb(199, 2, 65)  
}
```

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, 2, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 2, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 71.673, 18.811 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, 2, 65) }
```

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

```
.border{ border-color:rgb(199, 2, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 2, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 2, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 2, 65);  
box-shadow:4px 4px 4px 4px rgb(199, 2, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 71.673, 18.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 2, 65) }
```

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

```
.background{ background-color: rgb(199, 2,  
65) }
```

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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