

Converting Colors

CIELCh(42, 69.868, 13.093)

Have a look what the booklet for
CIELCh(42, 69.868, 13.093) contains.

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Color

CIELCh(42, 69.740, 12.978)

Conversions

Conversions Part 1

Format	Color
Hex	C5034D
RGB	197, 3, 77
RGB Percent	77%, 1%, 30%
CMY	0.2269, 0.9865, 0.6976
CMYK	0.00, 0.98, 0.61, 0.23
HSL	337°, 97%, 39%
HSV	337°, 98%, 77%
XYZ	24.4422, 12.5000, 8.1647
YIQ	69.4420, 91.8700, 64.1420

Conversions

Conversions Part 2

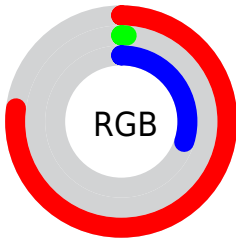
Format	Color
RYB	197, 3, 77
Decimal	12911437
CIELab	42.00, 67.96, 15.66
CIElCh	42, 69.740, 12.978
Yxy	12.5000, 0.5419, 0.2771
Android (android.graphics.Color)	4291101517 (0xFFC5034D)
YUV	69.4420, 3.7261, 111.8684
Hunter-Lab	35.3553, 61.5305, 11.0567

Details

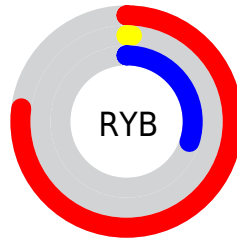
The CIELCh color **42, 69.740, 12.978** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **70, 63.737, 156.307**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.025, 11.992**, and **27, 55.491, 23.697** is the 20% darker color. If you saturate the color by 10%, you get **42, 70.206, 13.840**, and if you desaturate by 10%, it is **43, 67.033, 8.137**.

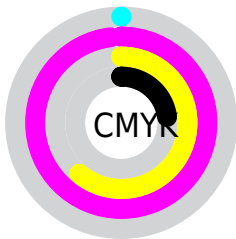
Distribution



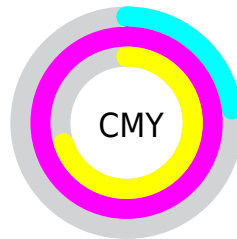
- Red (77%)
- Green (1%)
- Blue (30%)



- Red (77%)
- Yellow (1%)
- Blue (30%)



- Cyan (0%)
- Magenta (98%)
- Yellow (61%)
- Black (23%)



- Cyan (23%)
- Magenta (99%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 69.740, 12.978 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, 69.740, 12.978 by changing the saturation by 10% instead.

42, 69.740, 12.978

42, 69.740, 12.978

100, 69.740,
12.978

32, 69.740, 12.978

62, 69.740, 12.978

22, 69.740, 12.978

72, 69.740, 12.978

12, 69.740, 12.978

82, 69.740, 12.978

2, 69.740, 12.978

92, 69.740, 12.978

0, 69.740, 12.978

42, 69.740, 12.978

42, 69.740, 12.978

42, 70.206, 13.840

43, 67.033, 8.137

45, 62.947, 4.162

■ 48, 57.235, 1.020

■ 51, 50.127,
358.537

■ 55, 42.031,
356.548

■ 60, 33.367,
354.920

■ 65, 24.484,
353.554

■ 70, 15.628,
352.379

■ 75, 6.959, 351.329

Harmonies

Complementary

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



42, 69.740, 12.978



70, 63.737, 156.307

Rectangle

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



42, 69.740, 12.978



42, 69.740, 62.978



42, 69.740, 192.978



42, 69.740, 242.978

Sweetspot

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



42, 69.737, 12.980



81, 31.001, 353.705



35, 99.682, 314.929



41, 21.343, 354.280



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, 69.737, 12.980



54, 85.430, 14.755



42, 83.156, 41.069



39, 4.823, 351.445



34, 60.902, 13.022



4, 16.923, 359.991

Inverse Universe

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



42, 69.737, 12.980



54, 85.430, 14.755



65, 36.295, 217.348



39, 4.823, 351.445



34, 60.902, 13.022



4, 16.923, 359.991

Previews

White Background



This preview shows how the CIELCh color 42, 69.740, 12.978 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 CIE LCh color 42, 69.740, 12.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

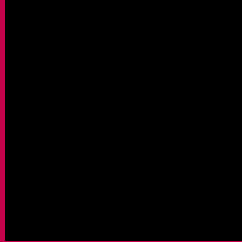
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 69.740, 12.978

Background



This preview shows how black text looks on a background with the CIELCh color 42, 69.740, 12.978.



This preview shows how white text looks on a background with the CIELCh color 42, 69.740, 12.978.

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, 69.740, 12.978

Protanopia

43, 7.227, 288.105

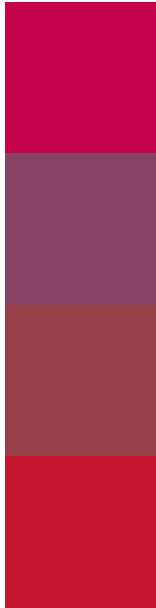
Deuteranopia

43, 20.404, 74.138



Tritanopia
42, 76.225, 35.955

Trichromacy



Original Color
42, 69.740, 12.978

Protanomaly
38, 34.321, 349.374

Deuteranomaly
39, 39.136, 18.972

Tritanomaly
42, 72.991, 28.508

Monochromacy



Original Color
42, 69.740, 12.978

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 33.757, 358.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 69.740, 12.978 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(197, 3, 77)` looks like.

```
.text, #text, p{  
    color:rgb(197, 3, 77)  
}
```

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(197, 3, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 3, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 69.740, 12.978 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(197, 3, 77) }
```

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

```
.border{ border-color:rgb(197, 3, 77) }
```

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

Here you see how a box with a 4 pixel rgb(197, 3, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 3, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 3, 77);  
box-shadow:4px 4px 4px 4px rgb(197, 3, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 69.740, 12.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 3, 77) }
```

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

```
.background{ background-color: rgb(197, 3,  
77) }
```

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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