

Converting Colors

CIELCh(41, 68.314, 12.401)

Have a look what the booklet for
CIELCh(41, 68.314, 12.401) contains.

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Color

CIELCh(41, 68.225, 12.458)

Conversions

Conversions Part 1

Format	Color
Hex	C0054C
RGB	192, 5, 76
RGB Percent	75%, 2%, 30%
CMY	0.2461, 0.9815, 0.7012
CMYK	0.00, 0.98, 0.60, 0.25
HSL	337°, 95%, 39%
HSV	337°, 98%, 75%
XYZ	23.1621, 11.8645, 7.9403
YIQ	69.0070, 88.6610, 61.7250

Conversions

Conversions Part 2

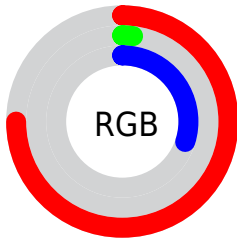
Format	Color
RYB	192, 5, 76
Decimal	12584268
CIELab	41.00, 66.62, 14.72
CIElCh	41, 68.225, 12.458
Yxy	11.8645, 0.5391, 0.2761
Android (android.graphics.Color)	4290774348 (0xFFC0054C)
YUV	69.0070, 3.4475, 107.8649
Hunter-Lab	34.4449, 59.7519, 10.4439

Details

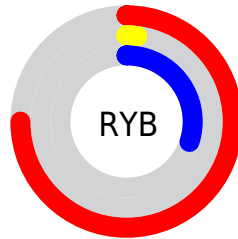
The CIELCh color **41, 68.225, 12.458** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 62.314, 156.451**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.435, 12.697**, and **27, 54.233, 23.511** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.871, 13.663**, and if you desaturate by 10%, it is **42, 65.504, 7.690**.

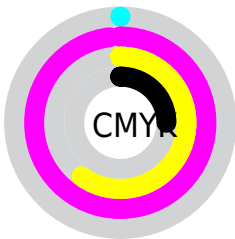
Distribution



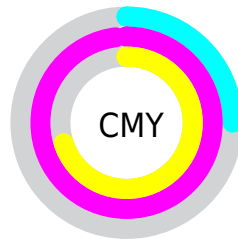
- Red (75%)
- Green (2%)
- Blue (30%)



- Red (75%)
- Yellow (2%)
- Blue (30%)



- Cyan (0%)
- Magenta (98%)
- Yellow (60%)
- Black (25%)



- Cyan (25%)
- Magenta (98%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 68.225, 12.458 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 41, 68.225, 12.458 by changing the saturation by 10% instead.

41, 68.225, 12.458

41, 68.225, 12.458

100, 68.225,
12.458

31, 68.225, 12.458

61, 68.225, 12.458

21, 68.225, 12.458

71, 68.225, 12.458

11, 68.225, 12.458

81, 68.225, 12.458

1, 68.225, 12.458

91, 68.225, 12.458

0, 68.225, 12.458

41, 68.225, 12.458

41, 68.225, 12.458

41, 68.871, 13.663

42, 65.504, 7.690

44, 61.371, 3.803

■ 47, 55.653, 0.732

■ 50, 48.596,
358.304

■ 54, 40.604,
356.354

■ 59, 32.087,
354.753

■ 64, 23.376,
353.407

■ 69, 14.707,
352.247

■ 74, 6.226, 351.204

Harmonies

Complementary

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



41, 68.225, 12.458



69, 62.314, 156.451

Rectangle

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



41, 68.225, 12.458



41, 68.225, 62.458



41, 68.225, 192.458



41, 68.225, 242.458

Sweetspot

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



41, 68.222, 12.460



80, 30.508, 353.649



34, 97.544, 314.987



40, 20.999, 354.218



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 68.222, 12.460



53, 84.098, 14.614



41, 81.102, 40.961



38, 4.723, 351.392



34, 60.180, 12.873



3, 14.991, 359.212

Inverse Universe

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



41, 68.222, 12.460



53, 84.098, 14.614



64, 35.598, 217.165



38, 4.723, 351.392



34, 60.180, 12.873



3, 14.991, 359.212

Previews

White Background



This preview shows how the CIELCh color 41, 68.225, 12.458 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 41, 68.225, 12.458 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 41, 68.225, 12.458

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.225, 12.458.



This preview shows how white text looks on a background with the CIELCh color 41, 68.225, 12.458.

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

41, 68.136, 12.516

Protanopia

42, 7.869, 288.475

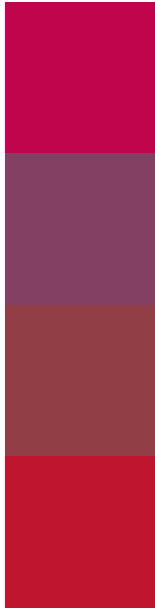
Deuteranopia

42, 19.696, 74.381



Tritanopia
41, 74.333, 35.785

Trichromacy



Original Color
41, 68.136, 12.516

Protanomaly
37, 34.074, 348.969

Deuteranomaly
38, 37.899, 18.533

Tritanomaly
41, 71.151, 27.990

Monochromacy



Original Color
41, 68.136, 12.516

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 32.904, 358.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.225, 12.458 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(192, 5, 76)` looks like.

```
.text, #text, p{  
    color:rgb(192, 5, 76)  
}
```

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(192, 5, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 5, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.225, 12.458 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(192, 5, 76) }
```

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

```
.border{ border-color:rgb(192, 5, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 5, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 5, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 5, 76);  
box-shadow:4px 4px 4px 4px rgb(192, 5, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.225, 12.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 5, 76) }
```

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

```
.background{ background-color: rgb(192, 5,  
76) }
```

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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