

Converting Colors

CIELCh(41, 68.543, 12.590)

Have a look what the booklet for
CIELCh(41, 68.543, 12.590) contains.

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Color

CIELCh(41, 68.614, 12.620)

Conversions

Conversions Part 1

Format	Color
Hex	C1024C
RGB	193, 2, 76
RGB Percent	76%, 1%, 30%
CMY	0.2443, 0.9913, 0.7028
CMYK	0.00, 0.99, 0.61, 0.24
HSL	337°, 98%, 38%
HSV	337°, 99%, 76%
XYZ	23.2374, 11.8645, 7.8626
YIQ	67.5450, 90.0820, 63.5060

Conversions

Conversions Part 2

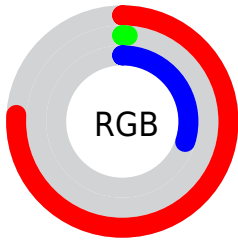
Format	Color
RYB	193, 2, 76
Decimal	12649036
CIELab	41.00, 66.96, 14.99
CIElCh	41, 68.614, 12.620
Yxy	11.8645, 0.5409, 0.2761
Android (android.graphics.Color)	4290839116 (0xFFC1024C)
YUV	67.5450, 4.1683, 110.0240
Hunter-Lab	34.4449, 60.1417, 10.5775

Details

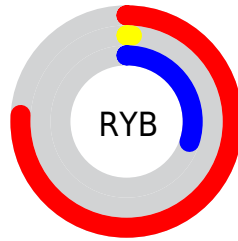
The CIELCh color **41, 68.614, 12.620** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **69, 63.262, 155.830**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 68.435, 12.697**, and **27, 54.603, 23.718** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.911, 13.179**, and if you desaturate by 10%, it is **42, 66.038, 7.817**.

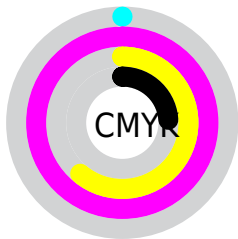
Distribution



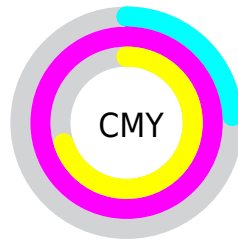
- Red (76%)
- Green (1%)
- Blue (30%)



- Red (76%)
- Yellow (1%)
- Blue (30%)



- Cyan (0%)
- Magenta (99%)
- Yellow (61%)
- Black (24%)



- Cyan (24%)
- Magenta (99%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 68.614, 12.620 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, 68.614, 12.620 by changing the saturation by 10% instead.

41, 68.614, 12.620

41, 68.614, 12.620

100, 68.614,
12.620

31, 68.614, 12.620

61, 68.614, 12.620

21, 68.614, 12.620

71, 68.614, 12.620

11, 68.614, 12.620

81, 68.614, 12.620

1, 68.614, 12.620

91, 68.614, 12.620

0, 68.614, 12.620

41, 68.614, 12.620

41, 68.614, 12.620

41, 68.911, 13.179

42, 66.038, 7.817

44, 62.153, 3.845

■ 47, 56.653, 0.705

■ 50, 49.752,
358.223

■ 54, 41.848,
356.235

■ 58, 33.357,
354.606

■ 63, 24.627,
353.239

■ 68, 15.906,
352.064

■ 73, 7.357, 351.016

Harmonies

Complementary

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



41, 68.614, 12.620



69, 63.262, 155.830

Rectangle

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



41, 68.614, 12.620



41, 68.614, 62.620



41, 68.614, 192.620



41, 68.614, 242.620

Sweetspot

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



41, 68.611, 12.622



79, 31.667, 353.446



33, 98.528, 314.443



40, 21.663, 354.014



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, 68.611, 12.622



53, 83.981, 14.115



41, 82.461, 40.880



38, 4.737, 351.069



34, 60.116, 12.384



3, 15.019, 358.930

Inverse Universe

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



41, 68.611, 12.622



53, 83.981, 14.115



65, 36.108, 214.059



38, 4.737, 351.069



34, 60.116, 12.384



3, 15.019, 358.930

Previews

White Background



This preview shows how the CIELCh color 41, 68.614, 12.620 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 41, 68.614, 12.620 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, 68.614, 12.620

Background



This preview shows how black text looks on a background with the CIELCh color 41, 68.614, 12.620.



This preview shows how white text looks on a background with the CIELCh color 41, 68.614, 12.620.

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, 68.702, 12.563

Protanopia

42, 7.869, 288.475

Deuteranopia

42, 19.696, 74.381



Tritanopia
41, 74.479, 35.636

Trichromacy



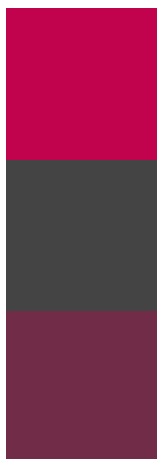
Original Color
41, 68.702, 12.563

Protanomaly
37, 34.666, 348.633

Deuteranomaly
38, 38.300, 17.909

Tritanomaly
41, 71.635, 27.989

Monochromacy



Original Color
41, 68.702, 12.563

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 33.457, 357.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 68.614, 12.620 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(193, 2, 76)` looks like.

```
.text, #text, p{  
    color:rgb(193, 2, 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(193, 2, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 2, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 68.614, 12.620 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(193, 2, 76) }
```

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

```
.border{ border-color:rgb(193, 2, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 2, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 2, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 2, 76);  
box-shadow:4px 4px 4px 4px rgb(193, 2, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 68.614, 12.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 2, 76) }
```

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

```
.background{ background-color: rgb(193, 2,  
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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