

Converting Colors

CIELCh(41, 70.478, 23.841)

Have a look what the booklet for
CIELCh(41, 70.478, 23.841) contains.

CIELCh(41, 70.368, 23.962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 70.368, 23.962)

Conversions

Conversions Part 1

Format	Color
Hex	C01036
RGB	192, 16, 54
RGB Percent	75%, 6%, 21%
CMY	0.2461, 0.9390, 0.7875
CMYK	0.00, 0.92, 0.72, 0.25
HSL	347°, 85%, 41%
HSV	347°, 92%, 75%
XYZ	22.6508, 11.8645, 4.6081
YIQ	72.9560, 92.6980, 49.1300

Conversions

Conversions Part 2

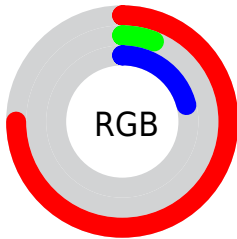
Format	Color
RYB	192, 16, 54
Decimal	12587062
CIELab	41.00, 64.30, 28.58
CIElCh	41, 70.368, 23.962
Yxy	11.8645, 0.5790, 0.3033
Android (android.graphics.Color)	4290777142 (0xFFC01036)
YUV	72.9560, -9.3453, 104.4016
Hunter-Lab	34.4449, 57.1021, 16.1796

Details

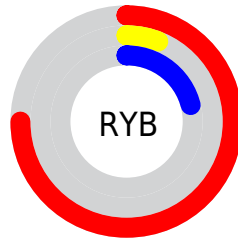
The CIELCh color **41, 70.368, 23.962** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **70, 49.827, 170.467**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 69.957, 23.870**, and **26, 59.369, 34.701** is the 20% darker color. If you saturate the color by 10%, you get **40, 74.352, 28.197**, and if you desaturate by 10%, it is **43, 64.889, 19.057**.

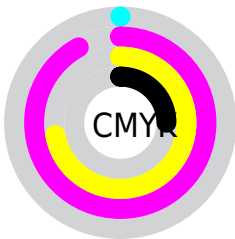
Distribution



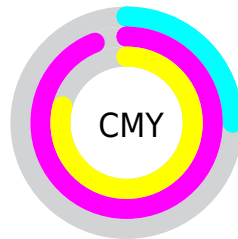
- Red (75%)
- Green (6%)
- Blue (21%)



- Red (75%)
- Yellow (6%)
- Blue (21%)



- Cyan (0%)
- Magenta (92%)
- Yellow (72%)
- Black (25%)



- Cyan (25%)
- Magenta (94%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 70.368, 23.962 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, 70.368, 23.962 by changing the saturation by 10% instead.

 41, 70.368, 23.962

 41, 70.368, 23.962

 100, 70.368,
23.962

 31, 70.368, 23.962

 61, 70.368, 23.962

 21, 70.368, 23.962

 71, 70.368, 23.962

 11, 70.368, 23.962

 81, 70.368, 23.962

 1, 70.368, 23.962

 91, 70.368, 23.962

 0, 70.368, 23.962

 41, 70.368, 23.962

 41, 70.368, 23.962

 40, 74.352, 28.197

 43, 64.889, 19.057

 45, 58.374, 14.984

■ 48, 50.893, 11.729

■ 52, 42.721, 9.155

■ 56, 34.202, 7.109

■ 61, 25.636, 5.456

■ 66, 17.241, 4.092

■ 71, 9.150, 2.933

■ 77, 1.429, 1.677

Harmonies

Complementary

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



41, 70.368, 23.962



70, 49.827, 170.467

Rectangle

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



41, 70.368, 23.962



41, 70.368, 73.962



41, 70.368, 203.962



41, 70.368, 253.962

Sweetspot

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



41, 70.365, 23.964



80, 27.655, 4.956



39, 93.381, 319.930



40, 19.248, 5.591



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, 70.365, 23.964



52, 91.288, 29.159



45, 72.382, 46.259



38, 4.358, 2.659



33, 64.667, 27.379



3, 14.339, 7.651

Inverse Universe

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



41, 70.365, 23.964



52, 91.288, 29.159



56, 36.430, 246.068



38, 4.358, 2.659



33, 64.667, 27.379



3, 14.339, 7.651

Previews

White Background



This preview shows how the CIELCh color 41, 70.368, 23.962 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, 70.368, 23.962 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, 70.368, 23.962

Background



This preview shows how black text looks on a background with the CIELCh color 41, 70.368, 23.962.



This preview shows how white text looks on a background with the CIELCh color 41, 70.368, 23.962.

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, 70.268, 24.048

Protanopia

42, 11.156, 94.617

Deuteranopia

42, 32.909, 80.680



Tritanopia
41, 77.271, 37.233

Trichromacy



Original Color
41, 70.268, 24.048

Protanomaly
38, 31.461, 21.599

Deuteranomaly
38, 43.291, 38.880

Tritanomaly
41, 74.524, 32.941

Monochromacy



Original Color
41, 70.268, 24.048

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 30.060, 9.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 70.368, 23.962 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, 16, 54)` looks like.

```
.text, #text, p{  
    color:rgb(192, 16, 54)  
}
```

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, 16, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 16, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 70.368, 23.962 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, 16, 54) }
```

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

```
.border{ border-color:rgb(192, 16, 54) }
```

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

Here you see how a box with a 4 pixel rgb(192, 16, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 16, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 16, 54);  
box-shadow:4px 4px 4px 4px rgb(192, 16,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 70.368, 23.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 16, 54) }
```

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

```
.background{ background-color: rgb(192, 16,  
54) }
```

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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