

Converting Colors

CIELCh(40, 70.914, 21.857)

Have a look what the booklet for
CIELCh(40, 70.914, 21.857) contains.

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Color

CIELCh(40, 70.850, 21.870)

Conversions

Conversions Part 1

Format	Color
Hex	BE0038
RGB	190, 0, 56
RGB Percent	75%, 0%, 22%
CMY	0.2532, 1.0000, 0.7820
CMYK	0.00, 1.00, 0.71, 0.25
HSL	342°, 100%, 37%
HSV	342°, 100%, 75%
XYZ	22.0291, 11.2510, 4.7004
YIQ	63.1940, 95.2640, 57.6960

Conversions

Conversions Part 2

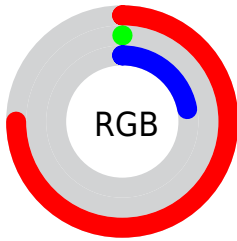
Format	Color
R _Y B	190, 0, 56
Decimal	12451896
CIE Lab	40.00, 65.75, 26.39
CIE LCh	40, 70.850, 21.870
Yxy	11.2510, 0.5800, 0.2962
Android (android.graphics.Color)	4290641976 (0xFFBE0038)
YUV	63.1940, -3.5466, 111.2089
Hunter-Lab	33.5425, 58.5309, 15.1712

Details

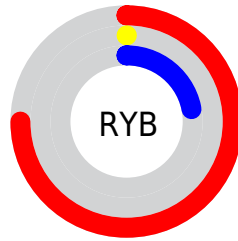
The CIELCh color **40, 70.850, 21.870** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **69, 56.183, 162.451**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 70.305, 21.510**, and **26, 57.830, 33.293** is the 20% darker color. If you saturate the color by 10%, you get **40, 70.729, 21.967**, and if you desaturate by 10%, it is **41, 66.889, 16.710**.

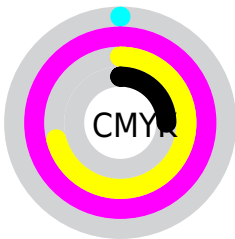
Distribution



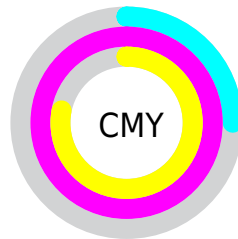
- Red (75%)
- Green (0%)
- Blue (22%)



- Red (75%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 70.850, 21.870 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 40, 70.850, 21.870 by changing the saturation by 10% instead.

 40, 70.850, 21.870

 40, 70.850, 21.870

 100, 70.850,
21.870

 30, 70.850, 21.870

 60, 70.850, 21.870

 20, 70.850, 21.870

 70, 70.850, 21.870

 10, 70.850, 21.870

 80, 70.850, 21.870

 0, 70.850, 21.870

 90, 70.850, 21.870

 40, 70.850, 21.870

 40, 70.850, 21.870

 40, 70.729, 21.967

 41, 66.889, 16.710

 43, 62.207, 12.124

■ 45, 56.248, 8.436

■ 49, 49.143, 5.519

■ 53, 41.223, 3.207

■ 57, 32.861, 1.346

■ 62, 24.373,
359.816

■ 67, 15.984,
358.530

■ 72, 7.836, 357.410

Harmonies

Complementary

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



40, 70.850, 21.870



69, 56.183, 162.451

Rectangle

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



40, 70.850, 21.870



40, 70.850, 71.870



40, 70.850, 201.870



40, 70.850, 251.870

Sweetspot

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



40, 70.729, 21.967



78, 30.161, 359.884



35, 96.151, 317.344



39, 20.858, 0.508



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



40, 70.729, 21.967



52, 86.595, 22.974



42, 79.728, 43.451



37, 4.402, 357.340



33, 61.336, 21.085



3, 12.817, 3.080

Inverse Universe

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



40, 70.729, 21.967



52, 86.595, 22.974



58, 35.282, 235.658



37, 4.402, 357.340



33, 61.336, 21.085



3, 12.817, 3.080

Previews

White Background



This preview shows how the CIELCh color 40, 70.850, 21.870 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 40, 70.850, 21.870 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 40, 70.850, 21.870

Background



This preview shows how black text looks on a background with the CIELCh color 40, 70.850, 21.870.



This preview shows how white text looks on a background with the CIELCh color 40, 70.850, 21.870.

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

40, 70.510, 21.708

Protanopia

41, 8.725, 94.222

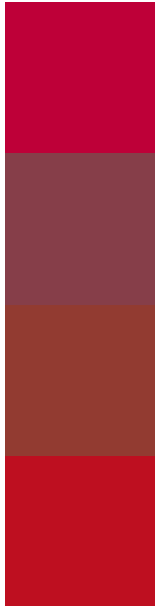
Deuteranopia

41, 30.993, 79.328



Tritanopia
41, 77.912, 37.891

Trichromacy



Original Color
40, 70.510, 21.708

Protanomaly
36, 32.986, 14.238

Deuteranomaly
37, 43.688, 34.383

Tritanomaly
40, 75.040, 32.843

Monochromacy



Original Color
40, 70.510, 21.708

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.835, 5.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 70.850, 21.870 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(190, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 56)  
}
```

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(190, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 70.850, 21.870 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(190, 0, 56) }
```

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

```
.border{ border-color:rgb(190, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(190, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 70.850, 21.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 56) }
```

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

```
.background{ background-color: rgb(190, 0,  
56) }
```

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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