

Converting Colors

CIELCh(40, 70.646, 22.929)

Have a look what the booklet for
CIELCh(40, 70.646, 22.929) contains.

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Color

CIELCh(40, 70.650, 22.843)

Conversions

Conversions Part 1

Format	Color
Hex	BE0336
RGB	190, 3, 54
RGB Percent	75%, 1%, 21%
CMY	0.2555, 0.9896, 0.7886
CMYK	0.00, 0.99, 0.72, 0.26
HSL	344°, 97%, 38%
HSV	344°, 99%, 74%
XYZ	21.8912, 11.2510, 4.4955
YIQ	64.7270, 95.0810, 55.5050

Conversions

Conversions Part 2

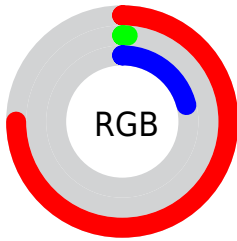
Format	Color
RYB	190, 3, 54
Decimal	12452662
CIELab	40.00, 65.11, 27.43
CIELCh	40, 70.650, 22.843
Yxy	11.2510, 0.5816, 0.2989
Android (android.graphics.Color)	4290642742 (0xFFBE0336)
YUV	64.7270, -5.2884, 109.8644
Hunter-Lab	33.5425, 57.7974, 15.5335

Details

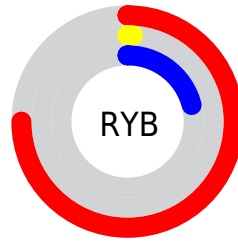
The CIELCh color **40, 70.650, 22.843** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 54.413, 164.247**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 70.477, 23.075**, and **26, 58.588, 34.517** is the 20% darker color. If you saturate the color by 10%, you get **40, 71.245, 23.564**, and if you desaturate by 10%, it is **41, 66.521, 17.583**.

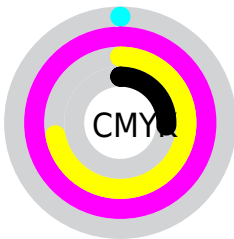
Distribution



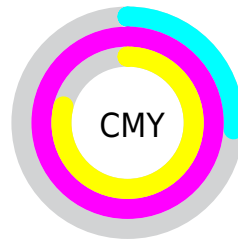
- Red (75%)
- Green (1%)
- Blue (21%)



- Red (75%)
- Yellow (1%)
- Blue (21%)



- Cyan (0%)
- Magenta (99%)
- Yellow (72%)
- Black (26%)



- Cyan (26%)
- Magenta (99%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 70.650, 22.843 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, 70.650, 22.843 by changing the saturation by 10% instead.

 40, 70.650, 22.843

 40, 70.650, 22.843

 100, 70.650,
22.843

 30, 70.650, 22.843

 60, 70.650, 22.843

 20, 70.650, 22.843

 70, 70.650, 22.843

 10, 70.650, 22.843

 80, 70.650, 22.843

 0, 70.650, 22.843

 90, 70.650, 22.843

 40, 70.650, 22.843

 40, 70.650, 22.843

 40, 71.245, 23.564

 41, 66.521, 17.583

 43, 61.457, 13.063

■ 46, 55.183, 9.427

■ 49, 47.859, 6.552

■ 53, 39.822, 4.271

■ 57, 31.431, 2.435

■ 62, 22.980, 0.927

■ 67, 14.676,
359.658

■ 72, 6.644, 358.547

Harmonies

Complementary

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



40, 70.650, 22.843



68, 54.413, 164.247

Rectangle

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



40, 70.650, 22.843



40, 70.650, 72.843



40, 70.650, 202.843



40, 70.650, 252.843

Sweetspot

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



40, 70.647, 22.845



78, 29.971, 1.191



36, 95.208, 317.954



39, 20.738, 1.822



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, 70.647, 22.845



52, 87.483, 24.583



42, 77.999, 43.890



37, 4.364, 358.627



33, 61.892, 22.695



3, 12.752, 4.047

Inverse Universe

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



40, 70.647, 22.845



52, 87.483, 24.583



57, 35.414, 238.722



37, 4.364, 358.627



33, 61.892, 22.695



3, 12.752, 4.047

Previews

White Background



This preview shows how the CIELCh color 40, 70.650, 22.843 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, 70.650, 22.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

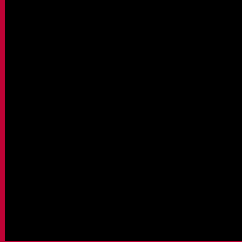
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 70.650, 22.843

Background



This preview shows how black text looks on a background with the CIELCh color 40, 70.650, 22.843.



This preview shows how white text looks on a background with the CIELCh color 40, 70.650, 22.843.

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, 70.650, 22.843

Protanopia

41, 10.027, 93.197

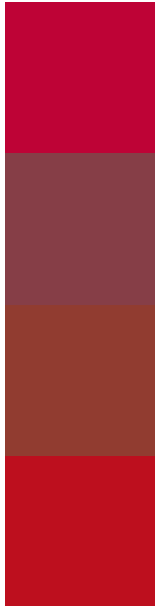
Deuteranopia

41, 32.004, 79.962



Tritanopia
40, 77.906, 38.010

Trichromacy



Original Color
40, 70.650, 22.843

Protanomaly
36, 33.090, 16.348

Deuteranomaly
37, 43.237, 35.730

Tritanomaly
40, 75.214, 33.479

Monochromacy



Original Color
40, 70.650, 22.843

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 32.278, 7.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 70.650, 22.843 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, 3, 54)` looks like.

```
.text, #text, p{  
    color:rgb(190, 3, 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(190, 3, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 3, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 70.650, 22.843 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, 3, 54) }
```

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

```
.border{ border-color:rgb(190, 3, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 3, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 3, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 3, 54);  
box-shadow:4px 4px 4px 4px rgb(190, 3, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 70.650, 22.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 3, 54) }
```

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

```
.background{ background-color: rgb(190, 3,  
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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