

Converting Colors

CIELCh(40, 73.717, 27.614)

Have a look what the booklet for
CIELCh(40, 73.717, 27.614) contains.

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Color

CIELCh(40, 73.665, 27.648)

Conversions

Conversions Part 1

Format	Color
Hex	BF002B
RGB	191, 0, 43
RGB Percent	75%, 0%, 17%
CMY	0.2510, 0.9998, 0.8314
CMYK	0.00, 1.00, 0.77, 0.25
HSL	347°, 100%, 37%
HSV	347°, 100%, 75%
XYZ	21.9222, 11.2510, 3.3019
YIQ	62.0110, 100.0330, 53.8650

Conversions

Conversions Part 2

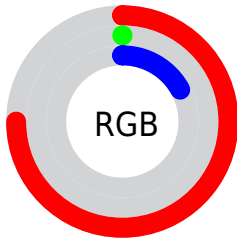
Format	Color
RYB	191, 0, 43
Decimal	12517419
CIELab	40.00, 65.25, 34.18
CIElCh	40, 73.665, 27.648
Yxy	11.2510, 0.6010, 0.3085
Android (android.graphics.Color)	4290707499 (0xFFBF002B)
YUV	62.0110, -9.3724, 113.1234
Hunter-Lab	33.5425, 57.9622, 17.6433

Details

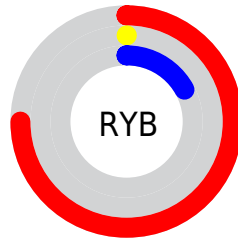
The CIELCh color **40, 73.665, 27.648** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **69, 51.682, 168.345**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 73.532, 27.553**, and **26, 61.701, 38.443** is the 20% darker color. If you saturate the color by 10%, you get **40, 73.672, 27.660**, and if you desaturate by 10%, it is **41, 68.818, 22.413**.

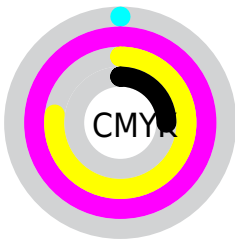
Distribution



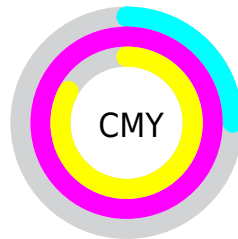
- Red (75%)
- Green (0%)
- Blue (17%)



- Red (75%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 73.665, 27.648 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, 73.665, 27.648 by changing the saturation by 10% instead.

 40, 73.665, 27.648

 40, 73.665, 27.648

 100, 73.665,
27.648

 30, 73.665, 27.648

 60, 73.665, 27.648

 20, 73.665, 27.648

 70, 73.665, 27.648

 10, 73.665, 27.648

 80, 73.665, 27.648

 0, 73.665, 27.648

 90, 73.665, 27.648

 40, 73.665, 27.648

 40, 73.665, 27.648

 40, 73.672, 27.660

 41, 68.818, 22.413

 43, 63.262, 17.666

■ 45, 56.647, 13.775

■ 49, 49.093, 10.679

■ 53, 40.901, 8.231

■ 57, 32.412, 6.277

■ 62, 23.913, 4.691

■ 67, 15.607, 3.375

■ 72, 7.613, 2.243

Harmonies

Complementary

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



40, 73.665, 27.648



69, 51.682, 168.345

Rectangle

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



40, 73.665, 27.648



40, 73.665, 77.648



40, 73.665, 207.648



40, 73.665, 257.648

Sweetspot

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



40, 73.662, 27.650



78, 29.548, 4.763



38, 95.252, 319.535



39, 20.477, 5.408



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, 73.662, 27.650



52, 90.172, 28.623



43, 77.464, 45.855



37, 4.274, 2.175



33, 63.619, 26.784



3, 12.599, 6.675

Inverse Universe

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



40, 73.662, 27.650



52, 90.172, 28.623



55, 37.583, 249.763



37, 4.274, 2.175



33, 63.619, 26.784



3, 12.599, 6.675

Previews

White Background



This preview shows how the CIELCh color 40, 73.665, 27.648 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, 73.665, 27.648 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, 73.665, 27.648

Background



This preview shows how black text looks on a background with the CIELCh color 40, 73.665, 27.648.



This preview shows how white text looks on a background with the CIELCh color 40, 73.665, 27.648.

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, 73.665, 27.648

Protanopia

41, 18.959, 95.969

Deuteranopia

41, 38.449, 82.254



Tritanopia
40, 80.630, 39.508

Trichromacy



Original Color
40, 73.665, 27.648

Protanomaly
36, 35.891, 29.403

Deuteranomaly
37, 48.084, 42.811

Tritanomaly
40, 78.298, 36.055

Monochromacy



Original Color
40, 73.665, 27.648

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 33.198, 10.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 73.665, 27.648 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(191, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 43)  
}
```

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(191, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 73.665, 27.648 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(191, 0, 43) }
```

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

```
.border{ border-color:rgb(191, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 73.665, 27.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 43) }
```

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

```
.background{ background-color: rgb(191, 0,  
43) }
```

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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