

Converting Colors

CIELCh(40, 71.981, 25.777)

Have a look what the booklet for
CIELCh(40, 71.981, 25.777) contains.

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Color

CIELCh(40, 71.837, 25.637)

Conversions

Conversions Part 1

Format	Color
Hex	BE0430
RGB	190, 4, 48
RGB Percent	75%, 2%, 19%
CMY	0.2548, 0.9840, 0.8117
CMYK	0.00, 0.98, 0.75, 0.25
HSL	346°, 96%, 38%
HSV	346°, 98%, 75%
XYZ	21.8176, 11.2510, 3.8194
YIQ	64.6300, 96.7320, 53.1160

Conversions

Conversions Part 2

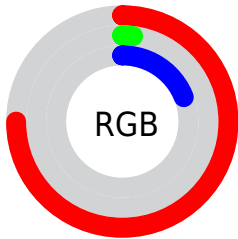
Format	Color
RYB	190, 4, 48
Decimal	12452912
CIELab	40.00, 64.76, 31.08
CIElCh	40, 71.837, 25.637
Yxy	11.2510, 0.5915, 0.3050
Android (android.graphics.Color)	4290642992 (0xFFBE0430)
YUV	64.6300, -8.1986, 109.9495
Hunter-Lab	33.5425, 57.4053, 16.7284

Details

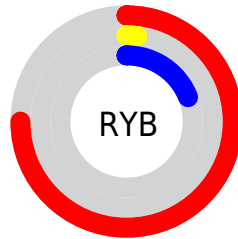
The CIELCh color **40, 71.837, 25.637** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **69, 51.759, 167.697**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 71.901, 25.706**, and **26, 60.604, 37.455** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.864, 26.731**, and if you desaturate by 10%, it is **41, 67.128, 20.386**.

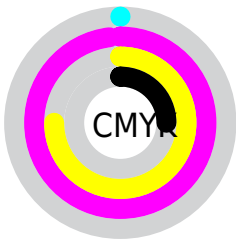
Distribution



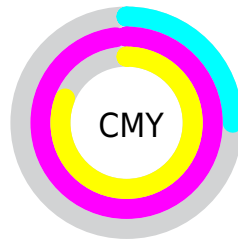
- Red (75%)
- Green (2%)
- Blue (19%)



- Red (75%)
- Yellow (2%)
- Blue (19%)



- Cyan (0%)
- Magenta (98%)
- Yellow (75%)
- Black (25%)



- Cyan (25%)
- Magenta (98%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 71.837, 25.637 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, 71.837, 25.637 by changing the saturation by 10% instead.

 40, 71.837, 25.637

 40, 71.837, 25.637

 100, 71.837,
25.637

 30, 71.837, 25.637

 60, 71.837, 25.637

 20, 71.837, 25.637

 70, 71.837, 25.637

 10, 71.837, 25.637

 80, 71.837, 25.637

 0, 71.837, 25.637

 90, 71.837, 25.637

 40, 71.837, 25.637

 40, 71.837, 25.637

 40, 72.864, 26.731

 41, 67.128, 20.386

 43, 61.513, 15.838

■ 46, 54.813, 12.155

■ 49, 47.198, 9.236

■ 53, 38.992, 6.924

■ 58, 30.535, 5.070

■ 63, 22.099, 3.556

■ 68, 13.871, 2.288

■ 73, 5.959, 1.179

Harmonies

Complementary

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



40, 71.837, 25.637



69, 51.759, 167.697

Rectangle

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



40, 71.837, 25.637



40, 71.837, 75.637



40, 71.837, 205.637



40, 71.837, 255.637

Sweetspot

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



40, 71.834, 25.639



79, 28.594, 3.782



37, 94.523, 319.083



40, 19.928, 4.420



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, 71.834, 25.639



52, 89.515, 27.726



43, 76.319, 45.156



37, 4.293, 1.342



33, 63.191, 25.870



3, 12.632, 6.062

Inverse Universe

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



40, 71.834, 25.639



52, 89.515, 27.726



56, 36.379, 245.406



37, 4.293, 1.342



33, 63.191, 25.870



3, 12.632, 6.062

Previews

White Background



This preview shows how the CIELCh color 40, 71.837, 25.637 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, 71.837, 25.637 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, 71.837, 25.637

Background



This preview shows how black text looks on a background with the CIELCh color 40, 71.837, 25.637.



This preview shows how white text looks on a background with the CIELCh color 40, 71.837, 25.637.

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, 71.837, 25.637

Protanopia

41, 14.816, 95.441

Deuteranopia

41, 35.450, 81.777



Tritanopia
40, 79.047, 38.719

Trichromacy



Original Color
40, 71.837, 25.637

Protanomaly
36, 34.097, 25.458

Deuteranomaly
37, 45.401, 40.194

Tritanomaly
40, 76.384, 34.728

Monochromacy



Original Color
40, 71.837, 25.637

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 31.779, 9.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 71.837, 25.637 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, 4, 48)` looks like.

```
.text, #text, p{  
    color:rgb(190, 4, 48)  
}
```

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, 4, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 4, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 71.837, 25.637 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, 4, 48) }
```

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

```
.border{ border-color:rgb(190, 4, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 4, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 4, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 4, 48);  
box-shadow:4px 4px 4px 4px rgb(190, 4, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 71.837, 25.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 4, 48) }
```

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

```
.background{ background-color: rgb(190, 4,  
48) }
```

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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