

Converting Colors

CIELCh(40, 76.500, 31.815)

Have a look what the booklet for
CIELCh(40, 76.500, 31.815) contains.

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Color

CIELCh(40, 76.429, 31.978)

Conversions

Conversions Part 1

Format	Color
Hex	BF0220
RGB	191, 2, 32
RGB Percent	75%, 1%, 13%
CMY	0.2500, 0.9934, 0.8738
CMYK	0.00, 0.99, 0.83, 0.25
HSL	350°, 98%, 38%
HSV	350°, 99%, 75%
XYZ	21.8317, 11.2510, 2.3999
YIQ	61.9310, 103.0140, 49.3980

Conversions

Conversions Part 2

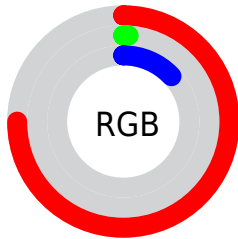
Format	Color
RYB	191, 2, 32
Decimal	12517920
CIELab	40.00, 64.83, 40.48
CIElCh	40, 76.429, 31.978
Yxy	11.2510, 0.6153, 0.3171
Android (android.graphics.Color)	4290708000 (0xFFBF0220)
YUV	61.9310, -14.7560, 113.1935
Hunter-Lab	33.5425, 57.4806, 19.2377

Details

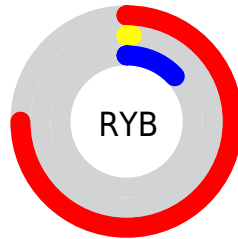
The CIELCh color **40, 76.429, 31.978** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **69, 47.546, 175.105**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 76.258, 32.110**, and **26, 61.301, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **40, 76.927, 32.374**, and if you desaturate by 10%, it is **41, 70.737, 27.032**.

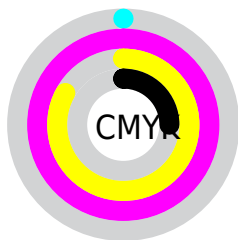
Distribution



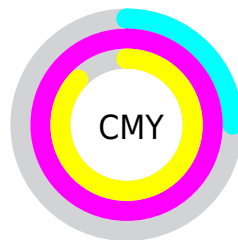
- Red (75%)
- Green (1%)
- Blue (13%)



- Red (75%)
- Yellow (1%)
- Blue (13%)



- Cyan (0%)
- Magenta (99%)
- Yellow (83%)
- Black (25%)



- Cyan (25%)
- Magenta (99%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 76.429, 31.978 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, 76.429, 31.978 by changing the saturation by 10% instead.

 40, 76.429, 31.978

 40, 76.429, 31.978

 100, 76.429,
31.978

 30, 76.429, 31.978

 60, 76.429, 31.978

 20, 76.429, 31.978

 70, 76.429, 31.978

 10, 76.429, 31.978

 80, 76.429, 31.978

 0, 76.429, 31.978

 90, 76.429, 31.978

 40, 76.429, 31.978

 40, 76.429, 31.978

 40, 76.927, 32.374

 41, 70.737, 27.032

 43, 64.233, 22.389

■ 45, 56.834, 18.503

■ 49, 48.708, 15.389

■ 53, 40.148, 12.928

■ 57, 31.464, 10.978

■ 62, 22.911, 9.412

■ 67, 14.656, 8.128

■ 73, 6.795, 7.033

Harmonies

Complementary

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



40, 76.429, 31.978



69, 47.546, 175.105

Rectangle

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



40, 76.429, 31.978



40, 76.429, 81.978



40, 76.429, 211.978



40, 76.429, 261.978

Sweetspot

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



40, 76.426, 31.980



79, 29.431, 9.608



40, 94.205, 321.909



39, 20.271, 10.252



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, 76.426, 31.980



52, 94.912, 33.262



45, 74.261, 49.112



38, 4.275, 7.061



33, 67.121, 31.644



3, 14.192, 10.694

Inverse Universe

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



40, 76.426, 31.980



52, 94.912, 33.262



51, 41.544, 261.782



38, 4.275, 7.061



33, 67.121, 31.644



3, 14.192, 10.694

Previews

White Background



This preview shows how the CIELCh color 40, 76.429, 31.978 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, 76.429, 31.978 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, 76.429, 31.978

Background



This preview shows how black text looks on a background with the CIELCh color 40, 76.429, 31.978.



This preview shows how white text looks on a background with the CIELCh color 40, 76.429, 31.978.

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, 76.359, 32.041

Protanopia

41, 27.638, 95.911

Deuteranopia

41, 45.635, 83.836



Tritanopia
40, 82.503, 40.990

Trichromacy



Original Color
40, 76.359, 32.041

Protanomaly
36, 40.724, 40.390

Deuteranomaly
37, 53.844, 49.339

Tritanomaly
40, 80.426, 38.237

Monochromacy



Original Color
40, 76.359, 32.041

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 32.949, 15.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 76.429, 31.978 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, 2, 32)` looks like.

```
.text, #text, p{  
    color:rgb(191, 2, 32)  
}
```

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, 2, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 2, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 76.429, 31.978 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, 2, 32) }
```

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

```
.border{ border-color:rgb(191, 2, 32) }
```

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

Here you see how a box with a 4 pixel rgb(191, 2, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 2, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 2, 32);  
box-shadow:4px 4px 4px 4px rgb(191, 2, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 76.429, 31.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 2, 32) }
```

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

```
.background{ background-color: rgb(191, 2,  
32) }
```

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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