

Converting Colors

CIELCh(40, 37.802, 79.687)

Have a look what the booklet for
CIELCh(40, 37.802, 79.687) contains.

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Color

CIELCh(40, 37.653, 80.075)

Conversions

Conversions Part 1

Format	Color
Hex	78591F
RGB	120, 89, 31
RGB Percent	47%, 35%, 12%
CMY	0.5292, 0.6507, 0.8782
CMYK	0.00, 0.26, 0.74, 0.53
HSL	39°, 59%, 30%
HSV	39°, 74%, 47%
XYZ	11.5797, 11.2510, 2.8615
YIQ	91.6570, 37.0940, -11.4660

Conversions

Conversions Part 2

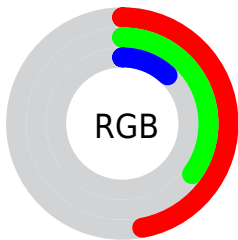
Format	Color
RYB	79, 120, 31
Decimal	7887135
CIELab	40.00, 6.49, 37.09
CIElCh	40, 37.653, 80.075
Yxy	11.2510, 0.4507, 0.4379
Android (android.graphics.Color)	4286077215 (0xFF78591F)
YUV	91.6570, -29.9039, 24.8568
Hunter-Lab	33.5425, 2.9231, 18.4217

Details

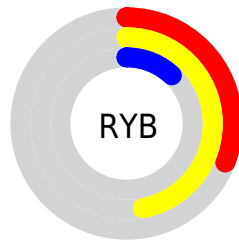
The CIELCh color **40, 37.653, 80.075** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **27, 37.920, 285.475**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 37.511, 80.328**, and **20, 29.708, 76.415** is the 20% darker color. If you saturate the color by 10%, you get **39, 41.951, 78.410**, and if you desaturate by 10%, it is **41, 32.762, 81.582**.

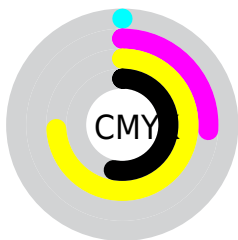
Distribution



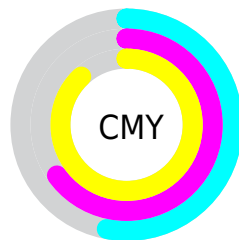
- Red (47%)
- Green (35%)
- Blue (12%)



- Red (31%)
- Yellow (47%)
- Blue (12%)



- Cyan (0%)
- Magenta (26%)
- Yellow (74%)
- Black (53%)



- Cyan (53%)
- Magenta (65%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 37.653, 80.075 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, 37.653, 80.075 by changing the saturation by 10% instead.

■ 40, 37.653, 80.075 ■ 40, 37.653, 80.075

■ 100, 37.653, 80.075 ■ 30, 37.653, 80.075

■ 60, 37.653, 80.075 ■ 20, 37.653, 80.075

■ 70, 37.653, 80.075 ■ 10, 37.653, 80.075

■ 80, 37.653, 80.075 ■ 0, 37.653, 80.075

■ 90, 37.653, 80.075

■ 40, 37.653, 80.075 ■ 40, 37.653, 80.075

■ 39, 41.951, 78.410 ■ 41, 32.762, 81.582

■ 38, 45.269, 76.472 ■ 43, 27.600, 82.995

37, 47.279, 75.432

44, 22.357, 84.353

45, 17.135, 85.671

47, 11.989, 86.951

48, 6.942, 88.188

50, 2.003, 89.335

51, 2.828, 270.648

53, 7.555, 271.729

Harmonies

Complementary

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



40, 37.653, 80.075



27, 37.920, 285.475

Rectangle

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



40, 37.653, 80.075



40, 37.653, 130.075



40, 37.653, 260.075



40, 37.653, 310.075

Sweetspot

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



40, 37.653, 80.078



60, 13.486, 87.152



28, 40.851, 4.223



31, 9.154, 86.885



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 37.653, 80.078



49, 53.548, 77.066



48, 47.818, 111.437



25, 2.794, 88.789



38, 48.649, 75.302



75, 81.870, 73.595

Inverse Universe

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



27, 37.920, 285.475



30, 57.291, 291.366



20, 58.893, 304.391



24, 2.790, 271.079



21, 54.326, 294.443



44, 96.700, 296.464

Previews

White Background



This preview shows how the CIELCh color 40, 37.653, 80.075 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 CIE LCh color 40, 37.653, 80.075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

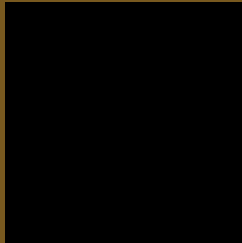
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 37.653, 80.075

Background



This preview shows how black text looks on a background with the CIELCh color 40, 37.653, 80.075.



This preview shows how white text looks on a background with the CIELCh color 40, 37.653, 80.075.

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, 37.653, 80.075

Protanopia

40, 36.056, 95.864

Deuteranopia

40, 37.386, 82.416



Tritanopia
40, 18.407, 9.056

Trichromacy



Original Color
40, 37.653, 80.075

Protanomaly
40, 36.426, 90.255

Deuteranomaly
40, 37.608, 81.723

Tritanomaly
40, 20.758, 48.910

Monochromacy



Original Color
40, 37.653, 80.075

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 13.779, 86.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 37.653, 80.075 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(120, 89, 31)` looks like.

```
.text, #text, p{  
    color:rgb(120, 89, 31)  
}
```

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(120, 89, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 89, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 37.653, 80.075 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(120, 89, 31) }
```

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

```
.border{ border-color:rgb(120, 89, 31) }
```

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

Here you see how a box with a 4 pixel rgb(120, 89, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 89, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 89, 31);  
box-shadow:4px 4px 4px 4px rgb(120, 89,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 37.653, 80.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 89, 31) }
```

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

```
.background{ background-color: rgb(120, 89,  
31) }
```

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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