

Converting Colors

CIELCh(40, 32.407, 98.310)

Have a look what the booklet for
CIELCh(40, 32.407, 98.310) contains.

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Color

CIELCh(40, 32.349, 98.146)

Conversions

Conversions Part 1

Format	Color
Hex	675F28
RGB	103, 95, 40
RGB Percent	40%, 37%, 16%
CMY	0.5956, 0.6270, 0.8427
CMYK	0.00, 0.08, 0.61, 0.60
HSL	52°, 44%, 28%
HSV	52°, 61%, 40%
XYZ	10.0960, 11.2510, 3.6571
YIQ	91.1220, 22.4230, -15.4090

Conversions

Conversions Part 2

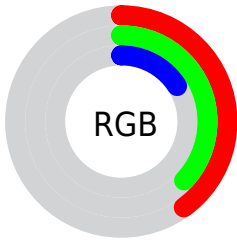
Format	Color
RYB	49, 103, 40
Decimal	6774568
CIELab	40.00, -4.58, 32.02
CIELCh	40, 32.349, 98.146
Yxy	11.2510, 0.4038, 0.4500
Android (android.graphics.Color)	4284964648 (0xFF675F28)
YUV	91.1220, -25.2031, 10.4170
Hunter-Lab	33.5425, -4.9724, 17.0154

Details

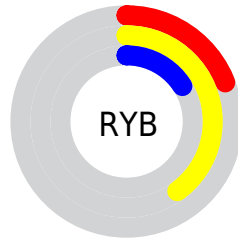
The CIELCh color **40, 32.349, 98.146** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 36.708, 294.137**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 32.482, 97.815**, and **20, 28.454, 98.078** is the 20% darker color. If you saturate the color by 10%, you get **40, 36.870, 97.144**, and if you desaturate by 10%, it is **41, 27.399, 99.181**.

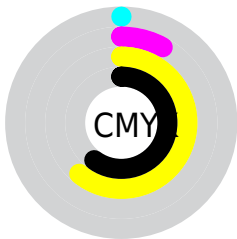
Distribution



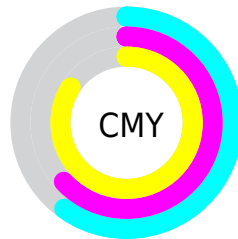
- Red (40%)
- Green (37%)
- Blue (16%)



- Red (19%)
- Yellow (40%)
- Blue (16%)



- Cyan (0%)
- Magenta (8%)
- Yellow (61%)
- Black (60%)



- Cyan (60%)
- Magenta (63%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 32.349, 98.146 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, 32.349, 98.146 by changing the saturation by 10% instead.

■ 40, 32.349, 98.146

■ 40, 32.349, 98.146

■ 100, 32.349,
98.146

■ 30, 32.349, 98.146

■ 60, 32.349, 98.146

■ 20, 32.349, 98.146

■ 70, 32.349, 98.146

■ 10, 32.349, 98.146

■ 80, 32.349, 98.146

■ 0, 32.349, 98.146

■ 90, 32.349, 98.146

■ 40, 32.349, 98.146

■ 40, 32.349, 98.146

■ 40, 36.870, 97.144

■ 41, 27.399, 99.181

■ 39, 40.707, 96.173

■ 41, 22.195,
100.227

■ 39, 43.558, 95.238

■ 42, 16.853,
101.275

■ 38, 45.857, 94.443

■ 42, 11.445,
102.315

■ 43, 6.015, 103.335

■ 44, 0.591, 104.224

■ 44, 4.812, 285.335

■ 45, 10.184,
286.264

■ 46, 15.518,
287.160

Harmonies

Complementary

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



40, 32.349, 98.146



22, 36.708, 294.137

Rectangle

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



40, 32.349, 98.146



40, 32.349, 148.146



40, 32.349, 278.146



40, 32.349, 328.146

Sweetspot

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



40, 32.349, 98.149



55, 12.189, 102.581



26, 30.486, 17.103



28, 8.537, 102.350



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 32.349, 98.149



51, 46.729, 96.748



41, 37.658, 121.453



21, 3.013, 103.554



42, 49.417, 94.328



85, 85.317, 93.748

Inverse Universe

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



22, 36.708, 294.137



25, 56.034, 297.550



22, 42.346, 308.121



19, 3.057, 285.407



13, 67.364, 303.542



33, 121.715, 304.727

Previews

White Background



This preview shows how the CIELCh color 40, 32.349, 98.146 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, 32.349, 98.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

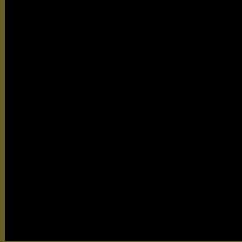
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 32.349, 98.146

Background



This preview shows how black text looks on a background with the CIELCh color 40, 32.349, 98.146.



This preview shows how white text looks on a background with the CIELCh color 40, 32.349, 98.146.

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, 32.349, 98.146

Protanopia

40, 32.109, 95.443

Deuteranopia

40, 31.864, 80.607



Tritanopia
40, 9.126, 352.974

Trichromacy



Original Color
40, 32.349, 98.146

Protanomaly
40, 32.017, 96.315

Deuteranomaly
40, 31.856, 87.203

Tritanomaly
40, 11.457, 72.110

Monochromacy



Original Color
40, 32.349, 98.146

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 12.229, 101.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 32.349, 98.146 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(103, 95, 40)` looks like.

```
.text, #text, p{  
    color:rgb(103, 95, 40)  
}
```

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(103, 95, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 95, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 32.349, 98.146 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(103, 95, 40) }
```

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

```
.border{ border-color:rgb(103, 95, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 95, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 95, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 95, 40);  
box-shadow:4px 4px 4px 4px rgb(103, 95,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 32.349, 98.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 95, 40) }
```

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

```
.background{ background-color: rgb(103, 95,  
40) }
```

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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