

Converting Colors

CIELCh(37, 40.256, 331.830)

Have a look what the booklet for
CIELCh(37, 40.256, 331.830)
contains.

CIELCh(37, 40.117, 332.048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 40.117, 332.048)

Conversions

Conversions Part 1

Format	Color
Hex	804076
RGB	128, 64, 118
RGB Percent	50%, 25%, 46%
CMY	0.4985, 0.7495, 0.5377
CMYK	0.00, 0.50, 0.08, 0.50
HSL	309°, 33%, 38%
HSV	309°, 50%, 50%
XYZ	13.9725, 9.5379, 18.2062
YIQ	89.2920, 20.8100, 30.3620

Conversions

Conversions Part 2

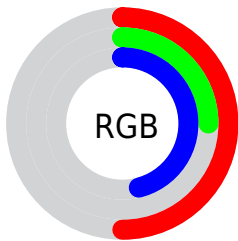
Format	Color
R_{YB}	128, 64, 118
Decimal	8405110
CIE _{Lab}	37.00, 35.44, -18.80
CIE _{LCh}	37, 40.117, 332.048
Yxy	9.5379, 0.3349, 0.2286
Android (android.graphics.Color)	4286595190 (0xFF804076)
YUV	89.2920, 14.1530, 33.9469
Hunter-Lab	30.8835, 26.7118, -13.3337

Details

The CIELCh color $37, 40.117, 332.048$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $48, 40.249, 144.898$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 40.053, 332.060$, and $17, 39.918, 332.515$ is the 20% darker color. If you saturate the color by 10%, you get $34, 46.930, 332.674$, and if you desaturate by 10%, it is $40, 32.572, 331.427$.

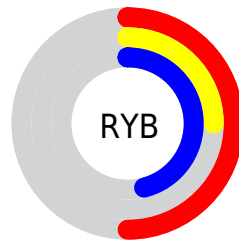
Distribution



Red (50%)

Green (25%)

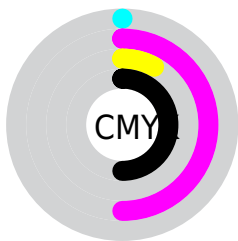
Blue (46%)



Red (50%)

Yellow (25%)

Blue (46%)

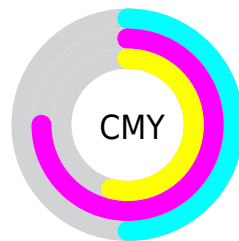


Cyan (0%)

Magenta (50%)

Yellow (8%)

Black (50%)



Cyan (50%)

Magenta (75%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 40.117, 332.048 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 37, 40.117, 332.048 by changing the saturation by 10% instead.

 37, 40.117,
332.048

 37, 40.117,
332.048


 100, 40.117,
332.048

 27, 40.117,
332.048


 57, 40.117,
332.048

 17, 40.117,
332.048

 67, 40.117,
332.048

 7, 40.117, 332.048

 77, 40.117,
332.048

 0, 40.117, 332.048

 87, 40.117,
332.048

 97, 40.117,
332.048

37, 40.117,
332.048

37, 40.117,
332.048

34, 46.930,
332.674

40, 32.572,
331.427

32, 52.687,
333.306

43, 24.593,
330.811

31, 57.070,
333.955

46, 16.407,
330.202

29, 59.859,
334.637

50, 8.183, 329.597

29, 61.542,
335.343

54, 0.039, 323.527

57, 7.954, 148.522

61, 15.751,
147.977

65, 23.331,
147.466

■ 68, 30.685,
146.982

Harmonies

Complementary

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



37, 40.117, 332.048



48, 40.249, 144.898

Rectangle

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



37, 40.117, 332.048



37, 40.117, 22.048



37, 40.117, 152.048



37, 40.117, 202.048

Sweetspot

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



37, 40.115, 332.048



61, 15.157, 329.918



31, 40.801, 301.100



31, 10.429, 330.025



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



37, 40.115, 332.048



45, 57.729, 332.758



36, 30.287, 358.683



25, 4.580, 329.540



28, 61.414, 335.341



0, 0.000, 0.000

Inverse Universe

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



37, 40.115, 332.048



45, 57.729, 332.758



49, 26.956, 167.386



25, 4.580, 329.540



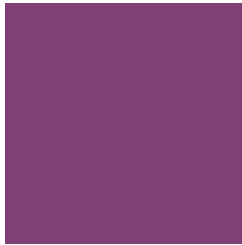
28, 61.414, 335.341



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 37, 40.117, 332.048 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 40.117, 332.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

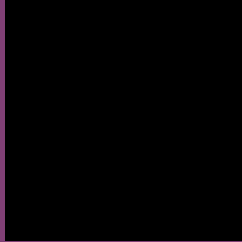
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 40.117, 332.048

Background



This preview shows how black text looks on a background with the CIELCh color 37, 40.117, 332.048.



This preview shows how white text looks on a background with the CIELCh color 37, 40.117, 332.048.

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

37, 40.117, 332.048

Protanopia

37, 30.999, 285.622

Deuteranopia

37, 17.323, 288.030



Tritanopia
37, 22.805, 15.621

Trichromacy



Original Color
37, 40.117, 332.048

Protanomaly
36, 32.031, 303.076

Deuteranomaly
37, 24.366, 312.779

Tritanomaly
37, 26.912, 353.031

Monochromacy



Original Color
37, 40.117, 332.048

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 15.586, 329.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 40.117, 332.048 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(128, 64, 118)` looks like.

```
.text, #text, p{  
    color:rgb(128, 64, 118)  
}
```

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(128, 64, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 64, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 40.117, 332.048 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(128, 64, 118) }
```

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

```
.border{ border-color:rgb(128, 64, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 64, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 64, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 64, 118);  
box-shadow:4px 4px 4px 4px rgb(128, 64,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 40.117, 332.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 64, 118) }
```

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

```
.background{ background-color: rgb(128, 64,  
118) }
```

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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