

Converting Colors

CIELCh(42, 37.687, 312.739)

Have a look what the booklet for
CIELCh(42, 37.687, 312.739)
contains.

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Color

CIELCh(42, 37.389, 312.407)

Conversions

Conversions Part 1

Format	Color
Hex	765691
RGB	118, 86, 145
RGB Percent	46%, 34%, 57%
CMY	0.5381, 0.6635, 0.4322
CMYK	0.19, 0.41, 0.00, 0.43
HSL	273°, 26%, 45%
HSV	273°, 41%, 57%
XYZ	15.8505, 12.5000, 28.2809
YIQ	102.2940, 0.1330, 25.1330

Conversions

Conversions Part 2

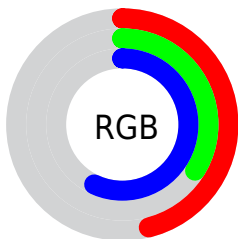
Format	Color
R _Y B	118, 86, 145
Decimal	7755409
CIE Lab	42.00, 25.21, -27.61
CIE LCh	42, 37.389, 312.407
Yxy	12.5000, 0.2799, 0.2207
Android (android.graphics.Color)	4285945489 (0xFF765691)
YUV	102.2940, 21.0541, 13.7742
Hunter-Lab	35.3553, 18.1535, -22.6777

Details

The CIELCh color $42, 37.389, 312.407$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $56, 35.527, 128.698$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 37.487, 312.433$, and $22, 37.064, 312.335$ is the 20% darker color. If you saturate the color by 10%, you get $38, 46.757, 312.880$, and if you desaturate by 10%, it is $46, 27.975, 311.917$.

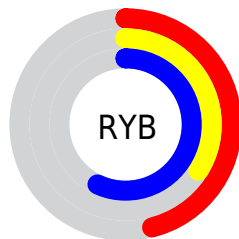
Distribution



Red (46%)

Green (34%)

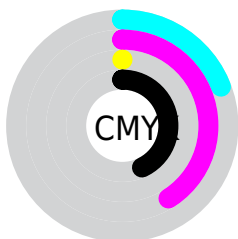
Blue (57%)



Red (46%)

Yellow (34%)

Blue (57%)

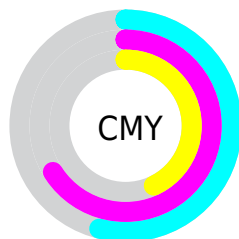


Cyan (19%)

Magenta (41%)

Yellow (0%)

Black (43%)



Cyan (54%)


Magenta (66%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.389, 312.407 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 42, 37.389, 312.407 by changing the saturation by 10% instead.


 42, 37.389,
312.407


 42, 37.389,
312.407


 100, 37.389,
312.407


 32, 37.389,
312.407

 62, 37.389,
312.407


 22, 37.389,
312.407

 72, 37.389,
312.407

 12, 37.389,
312.407

 82, 37.389,
312.407

 2, 37.389, 312.407

 92, 37.389,
312.407

 0, 37.389, 312.407

 42, 37.389,

 42, 37.389,

312.407

■ 38, 46.757,
312.880

■ 34, 55.839,
313.294

■ 30, 64.268,
313.590

■ 27, 71.539,
313.685

■ 24, 77.078,
313.484

■ 23, 80.960,
313.121

312.407

■ 46, 27.975,
311.917

■ 51, 18.665,
311.435

■ 55, 9.543, 310.974

■ 60, 0.651, 310.403

■ 64, 7.989, 130.192

■ 69, 16.374,
129.839

■ 73, 24.506,
129.528

■ 78, 32.394,
129.254

■ 82, 40.048,

Harmonies

Complementary

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



42, 37.389, 312.407



56, 35.527, 128.698

Rectangle

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



42, 37.389, 312.407



42, 37.389, 2.407



42, 37.389, 132.407



42, 37.389, 182.407

Sweetspot

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



42, 37.388, 312.407



70, 13.265, 311.042



47, 20.384, 265.813



36, 8.783, 311.093



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 37.388, 312.407



50, 56.041, 312.848



45, 39.813, 327.510



28, 4.952, 310.904



21, 76.957, 313.192



0, 3.307, 310.530

Inverse Universe

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



44, 28.674, 350.141



53, 42.545, 351.475



55, 39.891, 142.315



28, 3.842, 346.714



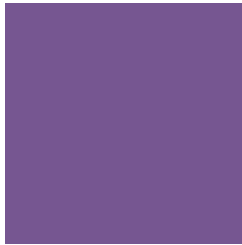
28, 52.706, 4.740



1, 2.564, 345.991

Previews

White Background



This preview shows how the CIELCh color 42, 37.389, 312.407 looks on a white background.

Color Contrast Check

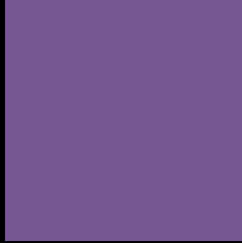
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 37.389, 312.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

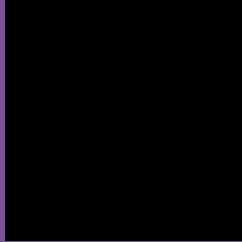
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 37.389, 312.407

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.389, 312.407.



This preview shows how white text looks on a background with the CIELCh color 42, 37.389, 312.407.

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

42, 37.389, 312.407

Protanopia

42, 35.200, 285.757

Deuteranopia

42, 26.825, 283.411



Tritanopia
42, 7.927, 348.361

Trichromacy



Original Color
42, 37.389, 312.407

Protanomaly
42, 35.082, 294.589

Deuteranomaly
42, 29.676, 295.682

Tritanomaly
42, 17.831, 319.972

Monochromacy



Original Color
42, 37.389, 312.407

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 14.159, 311.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.389, 312.407 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(118, 86, 145)` looks like.

```
.text, #text, p{  
    color:rgb(118, 86, 145)  
}
```

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(118, 86, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 86, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.389, 312.407 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(118, 86, 145) }
```

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

```
.border{ border-color:rgb(118, 86, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 86, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 86, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 86, 145);  
box-shadow:4px 4px 4px 4px rgb(118, 86,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.389, 312.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 86, 145) }
```

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

```
.background{ background-color: rgb(118, 86,  
145) }
```

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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