

Converting Colors

CIELCh(42, 38.403, 307.480)

Have a look what the booklet for
CIELCh(42, 38.403, 307.480)
contains.

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Color

CIELCh(42, 37.833, 307.653)

Conversions

Conversions Part 1

Format	Color
Hex	705895
RGB	112, 88, 149
RGB Percent	44%, 35%, 58%
CMY	0.5622, 0.6563, 0.4172
CMYK	0.25, 0.41, 0.00, 0.42
HSL	264°, 26%, 46%
HSV	264°, 41%, 58%
XYZ	15.4899, 12.5000, 29.8698
YIQ	102.1300, -5.2770, 24.0590

Conversions

Conversions Part 2

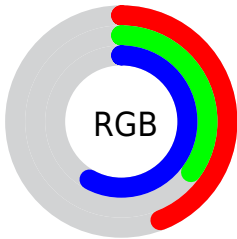
Format	Color
R _Y B	112, 88, 149
Decimal	7362709
CIE Lab	42.00, 23.11, -29.95
CIE LCh	42, 37.833, 307.653
Yxy	12.5000, 0.2677, 0.2160
Android (android.graphics.Color)	4285552789 (0xFF705895)
YUV	102.1300, 23.1069, 8.6560
Hunter-Lab	35.3553, 16.3325, -25.3422

Details

The CIELCh color $42, 37.833, 307.653$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 35.189, 123.222$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 37.773, 307.836$, and $22, 37.869, 307.541$ is the 20% darker color. If you saturate the color by 10%, you get $37, 47.530, 308.341$, and if you desaturate by 10%, it is $47, 28.237, 306.988$.

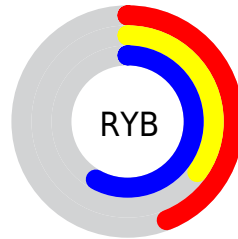
Distribution



Red (44%)

Green (35%)

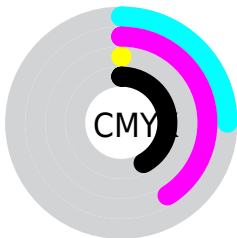
Blue (58%)



Red (44%)

Yellow (35%)

Blue (58%)

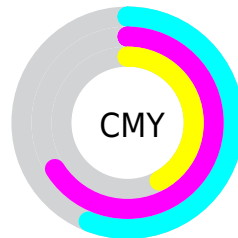


Cyan (25%)

Magenta (41%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (66%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 37.833, 307.653 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, 37.833, 307.653 by changing the saturation by 10% instead.

■ 42, 37.833,
307.653

■ 42, 37.833,
307.653

■ 100, 37.833,
307.653

■ 32, 37.833,
307.653

■ 62, 37.833,
307.653

■ 22, 37.833,
307.653

■ 72, 37.833,
307.653

■ 12, 37.833,
307.653

■ 82, 37.833,
307.653

■ 2, 37.833, 307.653

■ 92, 37.833,
307.653

■ 0, 37.833, 307.653

■ 42, 37.833,

■ 42, 37.833,

307.653

■ 37, 47.530,
308.341

■ 33, 57.125,
309.012

■ 29, 66.260,
309.594

■ 25, 74.373,
309.985

■ 22, 80.729,
310.050

■ 20, 85.141,
309.929

307.653

■ 47, 28.237,
306.988

■ 51, 18.854,
306.368

■ 56, 9.733, 305.802

■ 61, 0.895, 305.232

■ 66, 7.659, 124.867

■ 71, 15.935,
124.471

■ 75, 23.946,
124.128

■ 80, 31.703,
123.830

■ 85, 39.221,

Harmonies

Complementary

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



42, 37.833, 307.653



58, 35.189, 123.222

Rectangle

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



42, 37.833, 307.653



42, 37.833, 357.653



42, 37.833, 127.653



42, 37.833, 177.653

Sweetspot

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



42, 37.832, 307.653



71, 13.182, 305.869



51, 18.113, 247.816



36, 8.734, 305.931



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



42, 37.832, 307.653



50, 56.629, 308.271



45, 40.796, 323.103



29, 4.955, 305.705



18, 80.472, 310.003



0, 4.276, 305.254

Inverse Universe

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



45, 32.170, 341.749



55, 47.183, 342.715



57, 40.469, 138.722



29, 4.379, 338.950



29, 55.678, 351.534



1, 3.797, 338.316

Previews

White Background



This preview shows how the CIELCh color 42, 37.833, 307.653 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, 37.833, 307.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

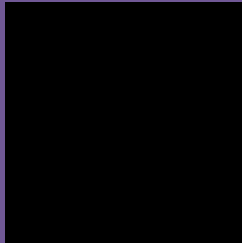
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 37.833, 307.653

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.833, 307.653.



This preview shows how white text looks on a background with the CIELCh color 42, 37.833, 307.653.

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, 37.833, 307.653

Protanopia

42, 36.398, 285.878

Deuteranopia

42, 28.764, 281.457



Tritanopia
42, 5.654, 321.317

Trichromacy



Original Color
42, 37.833, 307.653

Protanomaly
42, 36.223, 293.257

Deuteranomaly
42, 31.415, 292.231

Tritanomaly
42, 17.173, 309.442

Monochromacy



Original Color
42, 37.833, 307.653

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 13.793, 306.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 37.833, 307.653 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(112, 88, 149)` looks like.

```
.text, #text, p{  
    color:rgb(112, 88, 149)  
}
```

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(112, 88, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 88, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.833, 307.653 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(112, 88, 149) }
```

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

```
.border{ border-color:rgb(112, 88, 149) }
```

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

Here you see how a box with a 4 pixel rgb(112, 88, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 88, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 88, 149);  
box-shadow:4px 4px 4px 4px rgb(112, 88,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.833, 307.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 88, 149) }
```

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

```
.background{ background-color: rgb(112, 88,  
149) }
```

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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