

Converting Colors

CIELCh(42, 37.724, 308.208)

Have a look what the booklet for
CIELCh(42, 37.724, 308.208)
contains.

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Color

CIELCh(42, 37.950, 308.194)

Conversions

Conversions Part 1

Format	Color
Hex	705794
RGB	112, 87, 148
RGB Percent	44%, 34%, 58%
CMY	0.5592, 0.6573, 0.4180
CMYK	0.24, 0.41, 0.00, 0.42
HSL	265°, 26%, 46%
HSV	265°, 41%, 58%
XYZ	15.5502, 12.5000, 29.7819
YIQ	101.4290, -4.6810, 24.2710

Conversions

Conversions Part 2

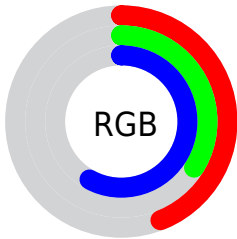
Format	Color
R_{YB}	112, 87, 148
Decimal	7362452
CIE _{Lab}	42.00, 23.47, -29.83
CIE _{LCh}	42, 37.950, 308.194
Yxy	12.5000, 0.2689, 0.2161
Android (android.graphics.Color)	4285552532 (0xFF705794)
YUV	101.4290, 22.9595, 9.2708
Hunter-Lab	35.3553, 16.6371, -25.1947

Details

The CIELCh color $42, 37.950, 308.194$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 35.370, 123.861$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 37.889, 308.355$, and $22, 37.971, 308.095$ is the 20% darker color. If you saturate the color by 10%, you get $37, 47.621, 308.852$, and if you desaturate by 10%, it is $47, 28.362, 307.553$.

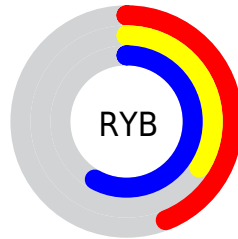
Distribution



Red (44%)

Green (34%)

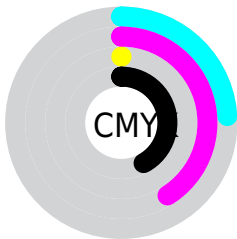
Blue (58%)



Red (44%)

Yellow (34%)

Blue (58%)

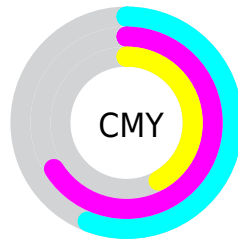


Cyan (24%)

Magenta (41%)

Yellow (0%)

Black (42%)



Cyan (56%)


Magenta (66%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 37.950, 308.194 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, 37.950, 308.194 by changing the saturation by 10% instead.


 42, 37.950,
308.194


 42, 37.950,
308.194


 100, 37.950,
308.194


 32, 37.950,
308.194

 62, 37.950,
308.194


 22, 37.950,
308.194

 72, 37.950,
308.194

 12, 37.950,
308.194

 82, 37.950,
308.194

 2, 37.950, 308.194

 92, 37.950,
308.194

 0, 37.950, 308.194

 42, 37.950,

 42, 37.950,

308.194

37, 47.621,
308.852

33, 57.166,
309.486

29, 66.222,
310.026

25, 74.231,
310.370

23, 80.476,
310.388

21, 84.769,
310.234

308.194

47, 28.362,
307.553

51, 18.975,
306.953

56, 9.842, 306.402

61, 0.986, 305.845

66, 7.589, 125.489

70, 15.888,
125.099

75, 23.922,
124.761

80, 31.704,
124.468

84, 39.247,

Harmonies

Complementary

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



42, 37.950, 308.194



58, 35.370, 123.861

Rectangle

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



42, 37.950, 308.194



42, 37.950, 358.194



42, 37.950, 128.194



42, 37.950, 178.194

Sweetspot

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



42, 37.949, 308.194



71, 13.219, 306.461



50, 18.354, 250.074



36, 8.758, 306.522



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, 37.949, 308.194



50, 56.687, 308.779



45, 40.993, 323.610



29, 4.969, 306.301



19, 80.202, 310.307



0, 4.289, 305.862

Inverse Universe

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



45, 31.876, 342.625



55, 46.709, 343.616



56, 40.731, 139.120



29, 4.328, 339.743



29, 55.261, 352.926



1, 3.751, 339.099

Previews

White Background



This preview shows how the CIELCh color 42, 37.950, 308.194 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, 37.950, 308.194 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, 37.950, 308.194

Background



This preview shows how black text looks on a background with the CIELCh color 42, 37.950, 308.194.



This preview shows how white text looks on a background with the CIELCh color 42, 37.950, 308.194.

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, 37.950, 308.194

Protanopia

42, 36.398, 285.878

Deuteranopia

42, 28.764, 281.457



Tritanopia
42, 5.654, 321.317

Trichromacy



Original Color
42, 37.950, 308.194

Protanomaly
42, 36.223, 293.257

Deuteranomaly
42, 31.415, 292.231

Tritanomaly
42, 17.173, 309.442

Monochromacy



Original Color
42, 37.950, 308.194

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, 37.950, 308.194 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, 87, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 87, 148)  
}
```

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, 87, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 87, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 37.950, 308.194 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, 87, 148) }
```

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

```
.border{ border-color:rgb(112, 87, 148) }
```

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

Here you see how a box with a 4 pixel rgb(112, 87, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 87, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 87, 148);  
box-shadow:4px 4px 4px 4px rgb(112, 87,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 37.950, 308.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 87, 148) }
```

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

```
.background{ background-color: rgb(112, 87,  
148) }
```

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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