

Converting Colors

CIELCh(42, 75.205, 310.355)

Have a look what the booklet for
CIELCh(42, 75.205, 310.355)
contains.

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Color

CIELCh(42, 75.398, 310.485)

Conversions

Conversions Part 1

Format	Color
Hex	7C45C3
RGB	124, 69, 195
RGB Percent	49%, 27%, 76%
CMY	0.5134, 0.7291, 0.2350
CMYK	0.36, 0.65, 0.00, 0.23
HSL	266°, 51%, 52%
HSV	266°, 65%, 77%
XYZ	20.3158, 12.5000, 53.0196
YIQ	99.8090, -7.6660, 50.8460

Conversions

Conversions Part 2

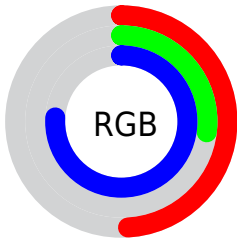
Format	Color
RYB	124, 69, 195
Decimal	8144323
CIELab	42.00, 48.95, -57.35
CIELCh	42, 75.398, 310.485
Yxy	12.5000, 0.2367, 0.1456
Android (android.graphics.Color)	4286334403 (0xFF7C45C3)
YUV	99.8090, 46.9292, 21.2155
Hunter-Lab	35.3553, 40.6972, -64.1638

Details

The CIELCh color **42, 75.398, 310.485** is a dark color, and the websafe version is hex **663399**. The color can be described as dark muted purple. A complement of this color would be **73, 67.173, 124.033**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 75.403, 310.612**, and **22, 75.089, 310.528** is the 20% darker color. If you saturate the color by 10%, you get **37, 86.024, 310.888**, and if you desaturate by 10%, it is **47, 63.786, 309.932**.

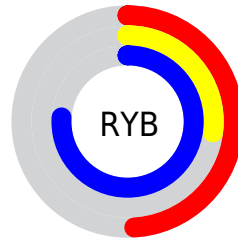
Distribution



Red (49%)

Green (27%)

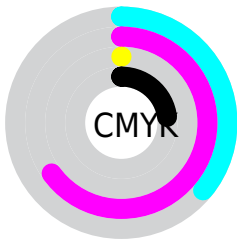
Blue (76%)



Red (49%)

Yellow (27%)

Blue (76%)

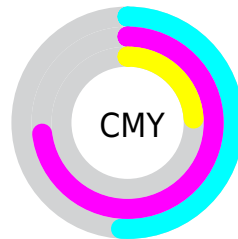


Cyan (36%)

Magenta (65%)

Yellow (0%)

Black (23%)



Cyan (51%)

Magenta (73%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 75.398, 310.485 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, 75.398, 310.485 by changing the saturation by 10% instead.


 42, 75.398,
310.485


 42, 75.398,
310.485


 100, 75.398,
310.485

 32, 75.398,
310.485

 62, 75.398,
310.485


 22, 75.398,
310.485

 72, 75.398,
310.485

 12, 75.398,
310.485

 82, 75.398,
310.485

 2, 75.398, 310.485

 92, 75.398,
310.485

 0, 75.398, 310.485

 42, 75.398,

 42, 75.398,

310.485

37, 86.024,
310.888

33, 94.839,
311.020

30, 100.955,
310.750

29, 103.438,
310.510

310.485

47, 63.786,
309.932

53, 51.778,
309.315

58, 39.739,
308.690

64, 27.877,
308.090

70, 16.299,
307.533

76, 5.055, 307.017

82, 5.837, 126.602

88, 16.379,
126.193

■ 94, 26.581,
125.842

Harmonies

Complementary

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



42, 75.398, 310.485



73, 67.173, 124.033

Rectangle

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



42, 75.398, 310.485



42, 75.398, 0.485



42, 75.398, 130.485



42, 75.398, 180.485

Sweetspot

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



42, 75.397, 310.485



85, 26.349, 307.789



56, 35.379, 261.417



44, 18.361, 307.954



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 75.397, 310.485



46, 109.717, 310.991



50, 76.713, 325.486



38, 6.249, 307.260



23, 89.421, 310.669



2, 20.019, 303.200

Inverse Universe

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



49, 58.429, 347.380



58, 80.575, 350.257



70, 77.111, 137.650



38, 5.317, 341.072



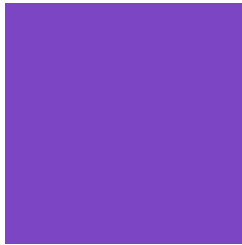
35, 61.071, 355.707



3, 16.450, 348.493

Previews

White Background



This preview shows how the CIELCh color 42, 75.398, 310.485 looks on a white background.

Color Contrast Check

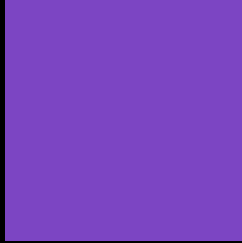
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 75.398, 310.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

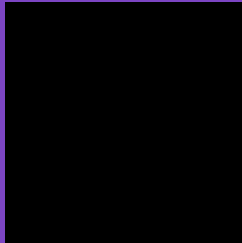
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 75.398, 310.485

Background



This preview shows how black text looks on a background with the CIELCh color 42, 75.398, 310.485.



This preview shows how white text looks on a background with the CIELCh color 42, 75.398, 310.485.

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

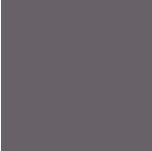
42, 75.398, 310.485

Protanopia

42, 64.598, 286.917

Deuteranopia

42, 47.962, 276.469



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color
42, 75.398, 310.485

Protanomaly
40, 68.835, 292.990

Deuteranomaly
40, 57.804, 289.055

Tritanomaly
41, 31.717, 310.816

Monochromacy



Original Color
42, 75.398, 310.485

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 28.926, 308.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 75.398, 310.485 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(124, 69, 195)` looks like.

```
.text, #text, p{  
    color:rgb(124, 69, 195)  
}
```

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(124, 69, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 69, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 75.398, 310.485 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(124, 69, 195) }
```

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

```
.border{ border-color:rgb(124, 69, 195) }
```

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

Here you see how a box with a 4 pixel rgb(124, 69, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 69, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 69, 195);  
box-shadow:4px 4px 4px 4px rgb(124, 69,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 75.398, 310.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 69, 195) }
```

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

```
.background{ background-color: rgb(124, 69,  
195) }
```

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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