

Converting Colors

CIELCh(42, 73.598, 296.643)

Have a look what the booklet for
CIELCh(42, 73.598, 296.643)
contains.

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Color

CIELCh(42, 73.476, 296.692)

Conversions

Conversions Part 1

Format	Color
Hex	4456D1
RGB	68, 86, 209
RGB Percent	27%, 34%, 82%
CMY	0.7330, 0.6626, 0.1802
CMYK	0.67, 0.59, 0.00, 0.18
HSL	232°, 61%, 54%
HSV	232°, 67%, 82%
XYZ	17.2350, 12.5000, 61.8604
YIQ	94.6400, -50.2110, 34.4370

Conversions

Conversions Part 2

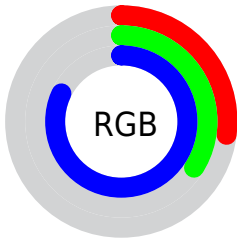
Format	Color
RYB	68, 84, 209
Decimal	4478673
CIELab	42.00, 33.00, -65.65
CIElCh	42, 73.476, 296.692
Yxy	12.5000, 0.1882, 0.1365
Android (android.graphics.Color)	4282668753 (0xFF4456D1)
YUV	94.6400, 56.3795, -23.3633
Hunter-Lab	35.3553, 25.1431, -78.9896

Details

The CIELCh color `42, 73.476, 296.692` is a dark color, and the websafe version is hex `6666CC`. The color can be described as dark muted blue. A complement of this color would be `77, 62.187, 97.049`, and the grayscale version is `40, 0.006, 296.813`.

A 20% lighter version of the original color is `61, 66.674, 295.836`, and `23, 72.500, 299.374` is the 20% darker color. If you saturate the color by 10%, you get `37, 85.522, 299.382`, and if you desaturate by 10%, it is `48, 61.468, 294.128`.

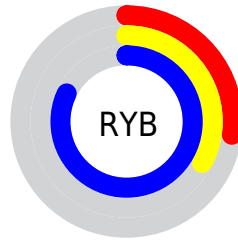
Distribution



Red (27%)

Green (34%)

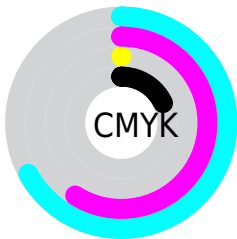
Blue (82%)



Red (27%)

Yellow (33%)

Blue (82%)

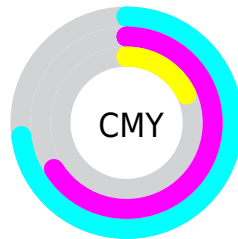


Cyan (67%)

Magenta (59%)

Yellow (0%)

Black (18%)



Cyan (73%)


Magenta (66%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 73.476, 296.692 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, 73.476, 296.692 by changing the saturation by 10% instead.


 42, 73.476,
296.692


 42, 73.476,
296.692


 100, 73.476,
296.692


 32, 73.476,
296.692

 62, 73.476,
296.692


 22, 73.476,
296.692

 72, 73.476,
296.692

 12, 73.476,
296.692

 82, 73.476,
296.692

 2, 73.476, 296.692

 92, 73.476,
296.692

 0, 73.476, 296.692

 42, 73.476,

 42, 73.476,

296.692

■ 37, 85.522,
299.382

■ 32, 96.886,
301.969

■ 28, 106.336,
304.138

■ 28, 108.307,
304.564

296.692

■ 48, 61.468,
294.128

■ 54, 49.801,
291.809

■ 60, 38.561,
289.779


■ 67, 27.746,
288.032

■ 73, 17.326,
286.541

■ 79, 7.270, 285.277

■ 85, 2.451, 104.120

■ 92, 11.860,
103.226

 98, 20.936,
103.672

Harmonies

Complementary

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



42, 73.476, 296.692



77, 62.187, 97.049

Rectangle

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



42, 73.476, 296.692



42, 73.476, 346.692



42, 73.476, 116.692



42, 73.476, 166.692

Sweetspot

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



42, 73.476, 296.693



85, 23.462, 286.934



76, 41.678, 182.265



43, 16.087, 287.352



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, 73.476, 296.693



43, 105.445, 300.574



42, 83.290, 308.817



41, 5.564, 285.509



22, 91.249, 304.277



2, 23.301, 290.055

Inverse Universe

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



50, 60.244, 20.602



56, 83.901, 26.342



78, 72.208, 121.252



41, 4.515, 9.680



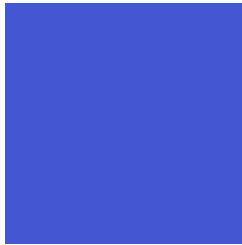
35, 71.140, 33.979



4, 20.088, 13.539

Previews

White Background



This preview shows how the CIE LCh color 42, 73.476, 296.692 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, 73.476, 296.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

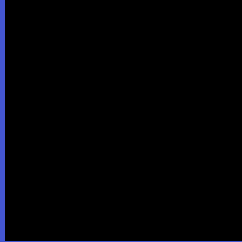
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 73.476, 296.692

Background



This preview shows how black text looks on a background with the CIELCh color 42, 73.476, 296.692.



This preview shows how white text looks on a background with the CIELCh color 42, 73.476, 296.692.

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, 73.476, 296.692

Protanopia

42, 64.668, 287.134

Deuteranopia

42, 45.858, 274.724



Tritanopia
42, 25.859, 208.981

Trichromacy



Original Color
42, 73.476, 296.692

Protanomaly
42, 68.057, 289.959

Deuteranomaly
41, 55.479, 284.090

Tritanomaly
41, 33.823, 263.367

Monochromacy



Original Color
42, 73.476, 296.692

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 26.831, 289.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 73.476, 296.692 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(68, 86, 209)` looks like.

```
.text, #text, p{  
    color:rgb(68, 86, 209)  
}
```

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(68, 86, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 86, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 73.476, 296.692 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(68, 86, 209) }
```

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

```
.border{ border-color:rgb(68, 86, 209) }
```

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

Here you see how a box with a 4 pixel rgb(68, 86, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 86, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 86, 209);  
box-shadow:4px 4px 4px 4px rgb(68, 86,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 73.476, 296.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 86, 209) }
```

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

```
.background{ background-color: rgb(68, 86,  
209) }
```

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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