

Converting Colors

CIELCh(42, 64.305, 298.776)

Have a look what the booklet for
CIELCh(42, 64.305, 298.776)
contains.

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Color

CIELCh(42, 64.137, 298.758)

Conversions

Conversions Part 1

Format	Color
Hex	5756C1
RGB	87, 86, 193
RGB Percent	34%, 34%, 76%
CMY	0.6594, 0.6632, 0.2437
CMYK	0.55, 0.55, 0.00, 0.24
HSL	241°, 46%, 55%
HSV	241°, 55%, 76%
XYZ	16.8455, 12.5000, 51.8959
YIQ	98.4970, -33.7510, 33.4890

Conversions

Conversions Part 2

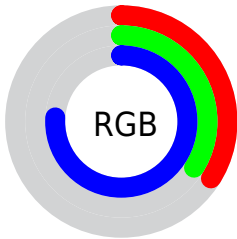
Format	Color
R _Y B	87, 86, 193
Decimal	5723841
CIE Lab	42.00, 30.86, -56.23
CIE LCh	42, 64.137, 298.758
Yxy	12.5000, 0.2074, 0.1539
Android (android.graphics.Color)	4283913921 (0xFF5756C1)
YUV	98.4970, 46.5900, -10.0829
Hunter-Lab	35.3553, 23.1768, -62.2793

Details

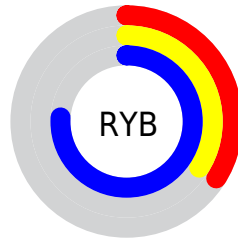
The CIELCh color **42, 64.137, 298.758** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **76, 54.715, 105.454**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 63.918, 298.820**, and **22, 63.675, 298.575** is the 20% darker color. If you saturate the color by 10%, you get **36, 76.888, 300.898**, and if you desaturate by 10%, it is **48, 51.539, 296.769**.

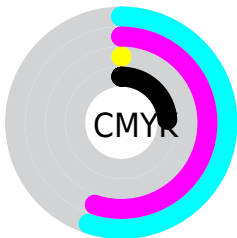
Distribution



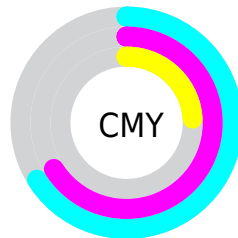
- Red (34%)
- Green (34%)
- Blue (76%)



- Red (34%)
- Yellow (34%)
- Blue (76%)



- Cyan (55%)
- Magenta (55%)
- Yellow (0%)
- Black (24%)





- Cyan (66%)
- Magenta (66%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 64.137, 298.758 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, 64.137, 298.758 by changing the saturation by 10% instead.


 42, 64.137,
298.758

 42, 64.137,
298.758


 100, 64.137,
298.758

 32, 64.137,
298.758

 62, 64.137,
298.758


 22, 64.137,
298.758

 72, 64.137,
298.758

 12, 64.137,
298.758

 82, 64.137,
298.758

 2, 64.137, 298.758

 92, 64.137,
298.758

 0, 64.137, 298.758

 42, 64.137,

 42, 64.137,

298.758

■ 36, 76.888,
300.898

■ 31, 89.110,
303.009

■ 27, 99.463,
304.794

■ 24, 106.196,
305.930

■ 23, 108.412,
306.313

298.758

■ 48, 51.539,
296.769

■ 55, 39.360,
295.004

■ 61, 27.670,
293.479

■ 68, 16.464,
292.179

■ 74, 5.711, 291.081

■ 81, 4.622, 110.119

■ 87, 14.566,
109.330

■ 94, 24.151,
108.650

■ 99, 31.289,
107.797

Harmonies

Complementary

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



42, 64.137, 298.758



76, 54.715, 105.454

Rectangle

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



42, 64.137, 298.758



42, 64.137, 348.758



42, 64.137, 118.758



42, 64.137, 168.758

Sweetspot

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



42, 64.137, 298.759



85, 22.410, 292.398



72, 31.835, 197.015



43, 15.049, 292.651



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 64.137, 298.759



45, 97.372, 301.456



47, 64.405, 311.864



37, 5.985, 291.486



18, 94.674, 306.319



1, 19.481, 291.382

Inverse Universe

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



54, 67.441, 327.527



64, 95.909, 327.991



72, 59.301, 126.574



38, 7.181, 325.175



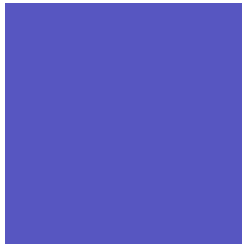
38, 81.229, 328.595



4, 24.012, 326.654

Previews

White Background



This preview shows how the CIELCh color 42, 64.137, 298.758 looks on a white background.

Color Contrast Check

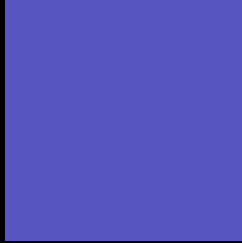
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.137, 298.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

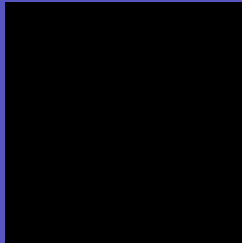
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 64.137, 298.758

Background



This preview shows how black text looks on a background with the CIELCh color 42, 64.137, 298.758.



This preview shows how white text looks on a background with the CIELCh color 42, 64.137, 298.758.

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, 64.137, 298.758

Protanopia

42, 65.224, 287.353

Deuteranopia

42, 47.434, 276.047



Tritanopia
42, 16.726, 216.844

Trichromacy



Original Color
42, 64.137, 298.758

Protanomaly
41, 64.607, 289.324

Deuteranomaly
41, 53.131, 283.609

Tritanomaly
41, 27.709, 274.466

Monochromacy



Original Color
42, 64.137, 298.758

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 23.067, 293.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 64.137, 298.758 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(87, 86, 193)` looks like.

```
.text, #text, p{  
    color:rgb(87, 86, 193)  
}
```

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(87, 86, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 86, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 64.137, 298.758 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(87, 86, 193) }
```

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

```
.border{ border-color:rgb(87, 86, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 86, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 86, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 86, 193);  
box-shadow:4px 4px 4px 4px rgb(87, 86,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 64.137, 298.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 86, 193) }
```

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

```
.background{ background-color: rgb(87, 86,  
193) }
```

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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