

Converting Colors

CIELCh(42, 16.937, 291.388)

Have a look what the booklet for
CIELCh(42, 16.937, 291.388)
contains.

CIELCh(42, 16.937, 291.388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 16.937, 291.388)

Conversions

Conversions Part 1

Format	Color
Hex	60617D
RGB	96, 97, 125
RGB Percent	38%, 38%, 49%
CMY	0.6238, 0.6198, 0.5101
CMYK	0.23, 0.22, 0.00, 0.51
HSL	238°, 13%, 43%
HSV	238°, 23%, 49%
XYZ	12.7834, 12.5000, 21.1186
YIQ	99.8930, -9.5840, 8.4960

Conversions

Conversions Part 2

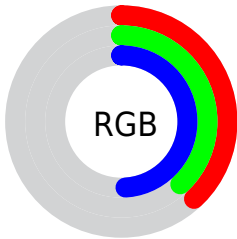
Format	Color
R_{YB}	96, 97, 125
Decimal	6316413
CIE _{Lab}	42.00, 6.18, -15.77
CIE _{LCh}	42, 16.937, 291.388
Yxy	12.5000, 0.2755, 0.2694
Android (android.graphics.Color)	4284506493 (0xFF60617D)
YUV	99.8930, 12.3778, -3.4142
Hunter-Lab	35.3553, 2.6683, -10.6666

Details

The CIELCh color $42, 16.937, 291.388$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 16.138, 106.553$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 16.844, 290.803$, and $22, 16.790, 291.229$ is the 20% darker color. If you saturate the color by 10%, you get $38, 24.714, 292.839$, and if you desaturate by 10%, it is $46, 9.459, 290.145$.

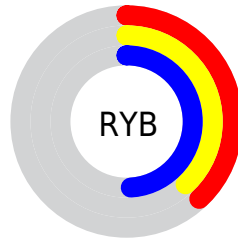
Distribution



Red (38%)

Green (38%)

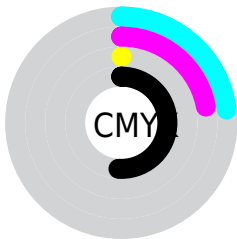
Blue (49%)



Red (38%)

Yellow (38%)

Blue (49%)

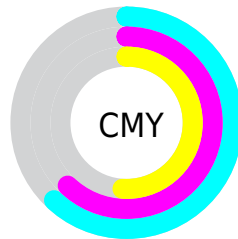


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (51%)



Cyan (62%)


Magenta (62%)

Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.937, 291.388 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, 16.937, 291.388 by changing the saturation by 10% instead.

 42, 16.937,
291.388


 42, 16.937,
291.388

 100, 16.937,
291.388


 32, 16.937,
291.388

 62, 16.937,
291.388


 22, 16.937,
291.388

 72, 16.937,
291.388


 12, 16.937,
291.388


 82, 16.937,
291.388

 2, 16.937, 291.388

 92, 16.937,
291.388

 0, 16.937, 291.388

 42, 16.937,

 42, 16.937,

291.388

■ 38, 24.714,
292.839

■ 33, 32.810,
294.523

■ 29, 41.216,
296.447

■ 24, 49.861,
298.578

■ 20, 58.516,
300.818

■ 17, 66.655,
302.970

■ 14, 73.352,
304.746

■ 13, 77.014,
305.626

291.388

■ 46, 9.459, 290.145

■ 51, 2.261, 289.101

■ 55, 4.678, 108.154

■ 60, 11.377,
107.380

■ 64, 17.852,
106.709

■ 68, 24.118,
106.126

■ 73, 30.187,
105.620

■ 77, 36.072,
105.177

■ 81, 41.783,

Harmonies

Complementary

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



42, 16.937, 291.388



51, 16.138, 106.553

Rectangle

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



42, 16.937, 291.388



42, 16.937, 341.388



42, 16.937, 111.388



42, 16.937, 161.388

Sweetspot

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



42, 16.936, 291.387



63, 6.171, 289.488



50, 10.988, 193.814



32, 3.992, 289.532



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 16.936, 291.387



51, 25.696, 292.153



43, 18.264, 308.422



23, 3.936, 289.685



13, 77.021, 305.626



32, 131.447, 306.006

Inverse Universe

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



44, 12.565, 18.358



54, 19.217, 18.960



51, 17.655, 126.246



24, 2.852, 17.068



25, 59.087, 36.807



53, 102.446, 39.051

Previews

White Background



This preview shows how the CIE LCh color 42, 16.937, 291.388 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, 16.937, 291.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

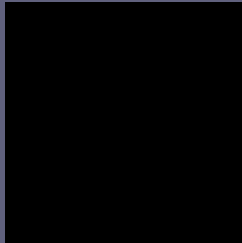
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 16.937, 291.388

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.937, 291.388.

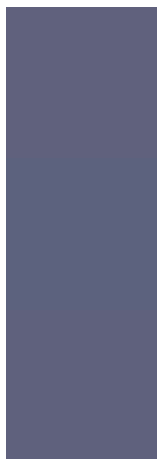


This preview shows how white text looks on a background with the CIELCh color 42, 16.937, 291.388.

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, 16.937, 291.388

Protanopia

42, 17.006, 285.259

Deuteranopia

42, 16.943, 290.150



Tritanopia
42, 5.512, 260.771

Trichromacy



Original Color
42, 16.937, 291.388

Protanomaly
42, 16.972, 286.460

Deuteranomaly
42, 16.943, 290.150

Tritanomaly
42, 9.223, 279.430

Monochromacy



Original Color
42, 16.937, 291.388

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 6.042, 291.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.937, 291.388 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(96, 97, 125)` looks like.

```
.text, #text, p{  
    color:rgb(96, 97, 125)  
}
```

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(96, 97, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 97, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.937, 291.388 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(96, 97, 125) }
```

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

```
.border{ border-color:rgb(96, 97, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 97, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 97, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 97, 125);  
box-shadow:4px 4px 4px 4px rgb(96, 97,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.937, 291.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 97, 125) }
```

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

```
.background{ background-color: rgb(96, 97,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor