

Converting Colors

CIELCh(42, 12.807, 292.603)

Have a look what the booklet for
CIELCh(42, 12.807, 292.603)
contains.

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Color

CIELCh(42, 12.729, 293.762)

Conversions

Conversions Part 1

Format	Color
Hex	626176
RGB	98, 97, 118
RGB Percent	38%, 38%, 46%
CMY	0.6150, 0.6189, 0.5365
CMYK	0.17, 0.18, 0.00, 0.54
HSL	243°, 10%, 42%
HSV	243°, 18%, 46%
XYZ	12.6272, 12.5000, 18.9429
YIQ	99.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

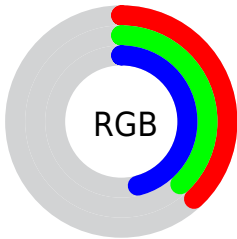
Format	Color
R_{YB}	98, 97, 118
Decimal	6447478
CIE _{Lab}	42.00, 5.13, -11.65
CIE _{LCh}	42, 12.729, 293.762
Yxy	12.5000, 0.2865, 0.2836
Android (android.graphics.Color)	4284637558 (0xFF626176)
YUV	99.6930, 9.0254, -1.4848
Hunter-Lab	35.3553, 1.8798, -7.0179

Details

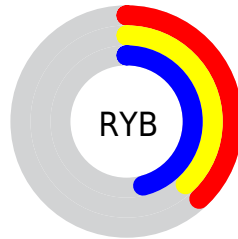
The CIELCh color $42, 12.729, 293.762$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 12.244, 110.544$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 12.372, 293.214$, and $22, 12.783, 292.997$ is the 20% darker color. If you saturate the color by 10%, you get $38, 20.285, 294.942$, and if you desaturate by 10%, it is $46, 5.464, 292.747$.

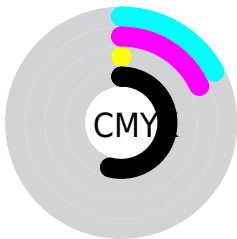
Distribution



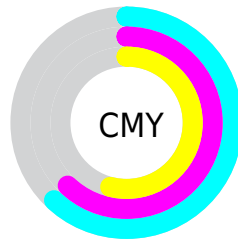
- Red (38%)
- Green (38%)
- Blue (46%)



- Red (38%)
- Yellow (38%)
- Blue (46%)



- Cyan (17%)
- Magenta (18%)
- Yellow (0%)
- Black (54%)





- Cyan (62%)
- Magenta (62%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.729, 293.762 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, 12.729, 293.762 by changing the saturation by 10% instead.


 42, 12.729,
293.762


 42, 12.729,
293.762


 100, 12.729,
293.762


 32, 12.729,
293.762

 62, 12.729,
293.762


 22, 12.729,
293.762

 72, 12.729,
293.762


 12, 12.729,
293.762


 82, 12.729,
293.762

 2, 12.729, 293.762

 92, 12.729,
293.762

 0, 12.729, 293.762

 42, 12.729,

 42, 12.729,

293.762

■ 38, 20.285,
294.942

■ 33, 28.148,
296.311

■ 29, 36.313,
297.875

■ 25, 44.728,
299.619

■ 21, 53.225,
301.479

■ 17, 61.403,
303.315

■ 14, 68.502,
304.896

■ 12, 74.163,
306.193

293.762

■ 46, 5.464, 292.747

■ 51, 1.527, 111.850

■ 55, 8.263, 111.119

■ 59, 14.762,
110.478

■ 63, 21.041,
109.925

■ 68, 27.114,
109.446

■ 72, 32.994,
109.030

■ 76, 38.693,
108.668

■ 80, 44.223,

■ 12, 75.506,
306.526

108.352

Harmonies

Complementary

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



42, 12.729, 293.762



49, 12.244, 110.544

Rectangle

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



42, 12.729, 293.762



42, 12.729, 343.762



42, 12.729, 113.762



42, 12.729, 163.762

Sweetspot

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



42, 12.728, 293.760



61, 4.323, 292.506



48, 7.822, 201.628



31, 2.934, 292.555



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 12.728, 293.760



52, 18.715, 294.182



43, 13.468, 310.977



22, 3.940, 292.865



12, 77.440, 306.517



32, 131.573, 306.384

Inverse Universe

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



44, 14.692, 326.679



55, 21.463, 326.882



48, 13.183, 129.480



23, 4.606, 326.198



28, 64.753, 330.149



58, 109.563, 330.261

Previews

White Background



This preview shows how the CIELCh color 42, 12.729, 293.762 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, 12.729, 293.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

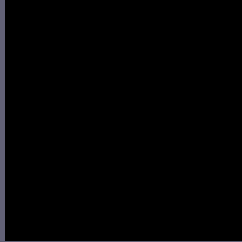
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

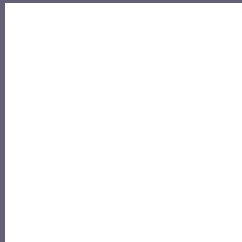
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 12.729, 293.762

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.729, 293.762.

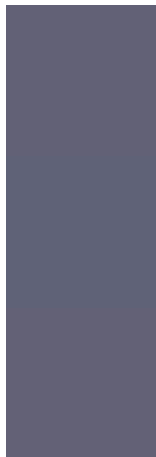


This preview shows how white text looks on a background with the CIELCh color 42, 12.729, 293.762.

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, 12.729, 293.762

Protanopia

42, 12.725, 286.916

Deuteranopia

42, 12.751, 295.484



Tritanopia
42, 4.960, 276.920

Trichromacy



Original Color
42, 12.729, 293.762

Protanomaly
42, 12.704, 288.608

Deuteranomaly
42, 12.751, 295.484

Tritanomaly
42, 7.869, 288.475

Monochromacy



Original Color
42, 12.729, 293.762

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.835, 290.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.729, 293.762 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(98, 97, 118)` looks like.

```
.text, #text, p{  
    color:rgb(98, 97, 118)  
}
```

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(98, 97, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 97, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.729, 293.762 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(98, 97, 118) }
```

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

```
.border{ border-color:rgb(98, 97, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 97, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 97, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 97, 118);  
box-shadow:4px 4px 4px 4px rgb(98, 97,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.729, 293.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 97, 118) }
```

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

```
.background{ background-color: rgb(98, 97,  
118) }
```

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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