

Converting Colors

CIELCh(42, 12.620, 281.438)

Have a look what the booklet for
CIELCh(42, 12.620, 281.438)
contains.

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Color

CIELCh(42, 12.233, 281.291)

Conversions

Conversions Part 1

Format	Color
Hex	5D6377
RGB	93, 99, 119
RGB Percent	36%, 39%, 47%
CMY	0.6365, 0.6130, 0.5346
CMYK	0.22, 0.17, 0.00, 0.53
HSL	226°, 12%, 41%
HSV	226°, 22%, 47%
XYZ	12.2256, 12.5000, 19.1197
YIQ	99.4860, -9.9960, 4.9480

Conversions

Conversions Part 2

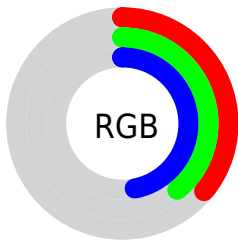
Format	Color
R_{YB}	93, 98, 119
Decimal	6120311
CIE _{Lab}	42.00, 2.40, -12.00
CIE _{LCh}	42, 12.233, 281.291
Yxy	12.5000, 0.2788, 0.2851
Android (android.graphics.Color)	4284310391 (0xFF5D6377)
YUV	99.4860, 9.6204, -5.6882
Hunter-Lab	35.3553, -0.1478, -7.3145

Details


The CIELCh color **42, 12.233, 281.291** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 12.018, 96.006**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 11.927, 281.031**, and **22, 12.284, 279.901** is the 20% darker color. If you saturate the color by 10%, you get **38, 18.053, 282.897**, and if you desaturate by 10%, it is **46, 6.564, 279.908**.

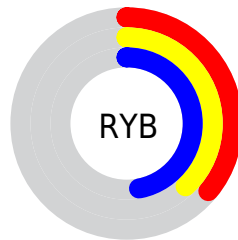
Distribution



 Red (36%)

 Green (39%)

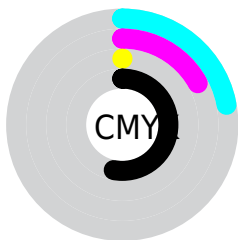
 Blue (47%)





 Red (36%)

 Yellow (38%)

 Blue (47%)

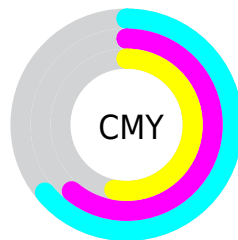


 Cyan (22%)

 Magenta (17%)

 Yellow (0%)

 Black (53%)



 Cyan (64%)


 Magenta (61%)


 Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.233, 281.291 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, 12.233, 281.291 by changing the saturation by 10% instead.


 42, 12.233,
281.291


 42, 12.233,
281.291


 100, 12.233,
281.291


 32, 12.233,
281.291

 62, 12.233,
281.291


 22, 12.233,
281.291

 72, 12.233,
281.291

 12, 12.233,
281.291


 82, 12.233,
281.291

 2, 12.233, 281.291

 92, 12.233,
281.291

 0, 12.233, 281.291

 42, 12.233,

 42, 12.233,

281.291

■ 38, 18.053,
282.897

■ 35, 24.042,
284.764

■ 31, 30.216,
286.919

■ 28, 36.591,
289.374

■ 24, 43.166,
292.110

■ 21, 49.889,
295.051

■ 18, 56.599,
298.050

■ 16, 61.856,
300.191

281.291

■ 46, 6.564, 279.908

■ 49, 1.039, 278.805

■ 53, 4.351, 97.622

■ 56, 9.613, 96.731

■ 60, 14.751, 95.941

■ 63, 19.770, 95.242

■ 67, 24.675, 94.623

■ 70, 29.468, 94.070

■ 74, 34.154, 93.574

Harmonies

Complementary

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



42, 12.233, 281.291



48, 12.018, 96.006

Rectangle

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



42, 12.233, 281.291



42, 12.233, 331.291



42, 12.233, 101.291



42, 12.233, 151.291

Sweetspot

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



42, 12.232, 281.288



61, 4.794, 279.332



48, 10.799, 178.818



32, 3.141, 279.381



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 12.232, 281.288



52, 18.237, 282.026



41, 16.088, 301.967



23, 3.065, 279.551



17, 63.440, 300.291



38, 113.154, 301.879

Inverse Universe

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



42, 11.644, 3.063



53, 17.421, 3.647



49, 15.425, 119.271



23, 2.880, 1.662



24, 52.089, 24.831



53, 90.549, 28.187

Previews

White Background



This preview shows how the CIELCh color 42, 12.233, 281.291 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, 12.233, 281.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

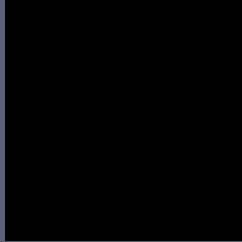
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

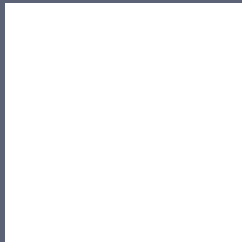
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 12.233, 281.291

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.233, 281.291.

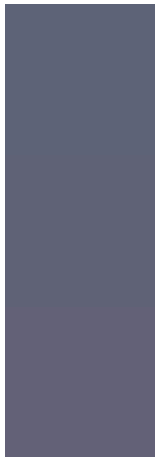


This preview shows how white text looks on a background with the CIELCh color 42, 12.233, 281.291.

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, 12.233, 281.291

Protanopia

42, 12.124, 286.553

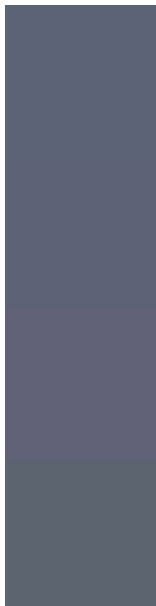
Deuteranopia

42, 13.353, 295.399



Tritanopia
42, 5.919, 254.177

Trichromacy



Original Color
42, 12.233, 281.291

Protanomaly
42, 12.157, 284.787

Deuteranomaly
42, 12.694, 290.313

Tritanomaly
42, 7.808, 267.842

Monochromacy



Original Color
42, 12.233, 281.291

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.293, 280.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.233, 281.291 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(93, 99, 119)` looks like.

```
.text, #text, p{  
    color:rgb(93, 99, 119)  
}
```

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(93, 99, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 99, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.233, 281.291 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(93, 99, 119) }
```

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

```
.border{ border-color:rgb(93, 99, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 99, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 99, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 99, 119);  
box-shadow:4px 4px 4px 4px rgb(93, 99,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.233, 281.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 99, 119) }
```

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

```
.background{ background-color: rgb(93, 99,  
119) }
```

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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