

Converting Colors

CIELCh(42, 15.837, 279.310)

Have a look what the booklet for
CIELCh(42, 15.837, 279.310)
contains.

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Color

CIELCh(42, 16.008, 279.361)

Conversions

Conversions Part 1

Format	Color
Hex	59637D
RGB	89, 99, 125
RGB Percent	35%, 39%, 49%
CMY	0.6514, 0.6122, 0.5102
CMYK	0.29, 0.21, 0.00, 0.51
HSL	223°, 17%, 42%
HSV	223°, 29%, 49%
XYZ	12.2560, 12.5000, 21.1319
YIQ	98.9740, -14.3060, 5.9660

Conversions

Conversions Part 2

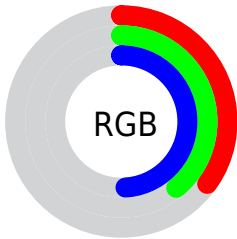
Format	Color
R_{YB}	89, 97, 125
Decimal	5858173
CIE _{Lab}	42.00, 2.60, -15.79
CIE _{LCh}	42, 16.008, 279.361
Yxy	12.5000, 0.2671, 0.2724
Android (android.graphics.Color)	4284048253 (0xFF59637D)
YUV	98.9740, 12.8308, -8.7472
Hunter-Lab	35.3553, 0.0054, -10.6888

Details

The CIELCh color $42, 16.008, 279.361$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $49, 15.826, 91.882$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 15.998, 279.245$, and $22, 15.776, 278.649$ is the 20% darker color. If you saturate the color by 10%, you get $38, 21.805, 281.216$, and if you desaturate by 10%, it is $46, 10.342, 277.764$.

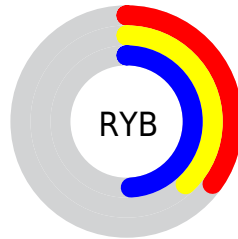
Distribution



Red (35%)

Green (39%)

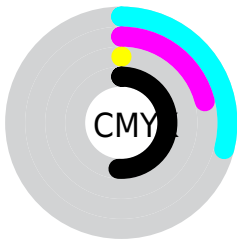
Blue (49%)



Red (35%)

Yellow (38%)

Blue (49%)

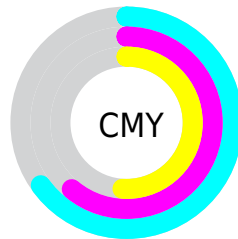


Cyan (29%)

Magenta (21%)

Yellow (0%)

Black (51%)



Cyan (65%)


Magenta (61%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 16.008, 279.361 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, 16.008, 279.361 by changing the saturation by 10% instead.


 42, 16.008,
279.361


 42, 16.008,
279.361


 100, 16.008,
279.361


 32, 16.008,
279.361

 62, 16.008,
279.361


 22, 16.008,
279.361

 72, 16.008,
279.361

 12, 16.008,
279.361

 82, 16.008,
279.361

 2, 16.008, 279.361

 92, 16.008,
279.361

 0, 16.008, 279.361

 42, 16.008,

 42, 16.008,

279.361

279.361

■ 38, 21.805,
281.216

■ 46, 10.342,
277.764

■ 35, 27.749,
283.367

■ 49, 4.800, 276.400

■ 31, 33.861,
285.837

■ 53, 0.627, 94.947

■ 56, 5.942, 94.116

■ 28, 40.155,
288.624

■ 60, 11.149, 93.222

■ 25, 46.629,
291.684

■ 63, 16.249, 92.431

■ 67, 21.245, 91.729

■ 22, 53.219,
294.903

■ 70, 26.140, 91.105

■ 19, 59.771,
297.962

■ 74, 30.935, 90.546

■ 19, 60.534,
298.280

Harmonies

Complementary

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



42, 16.008, 279.361



49, 15.826, 91.882

Rectangle

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



42, 16.008, 279.361



42, 16.008, 329.361



42, 16.008, 99.361



42, 16.008, 149.361

Sweetspot

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



42, 16.007, 279.359



63, 6.097, 276.450



49, 15.120, 174.441



32, 4.220, 276.605



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, 16.007, 279.359



51, 24.384, 280.635



40, 22.259, 300.815



24, 3.015, 276.428



19, 60.558, 298.282



40, 107.479, 300.022

Inverse Universe

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



42, 16.452, 0.525



51, 25.111, 1.501



51, 20.959, 116.796



24, 3.047, 358.268



25, 51.660, 20.981



53, 88.675, 24.291

Previews

White Background



This preview shows how the CIE LCh color 42, 16.008, 279.361 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, 16.008, 279.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

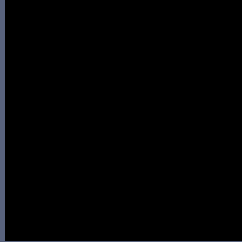
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

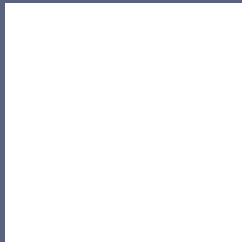
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 16.008, 279.361

Background



This preview shows how black text looks on a background with the CIELCh color 42, 16.008, 279.361.

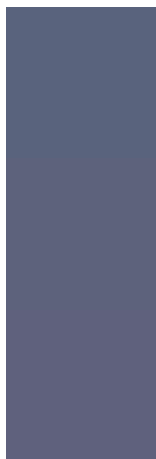


This preview shows how white text looks on a background with the CIELCh color 42, 16.008, 279.361.

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

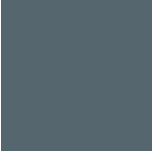
42, 16.008, 279.361

Protanopia

42, 15.778, 285.763

Deuteranopia

42, 16.943, 290.150



Tritanopia
42, 7.708, 237.826

Trichromacy



Original Color
42, 16.008, 279.361

Protanomaly
42, 15.815, 284.460

Deuteranomaly
42, 16.375, 286.122

Tritanomaly
42, 9.824, 258.839

Monochromacy



Original Color
42, 16.008, 279.361

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 5.636, 274.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 16.008, 279.361 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(89, 99, 125)` looks like.

```
.text, #text, p{  
    color:rgb(89, 99, 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(89, 99, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 99, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 16.008, 279.361 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(89, 99, 125) }
```

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

```
.border{ border-color:rgb(89, 99, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 99, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 99, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 99, 125);  
box-shadow:4px 4px 4px 4px rgb(89, 99,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 16.008, 279.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 99, 125) }
```

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

```
.background{ background-color: rgb(89, 99,  
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](#).

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