

Converting Colors

CIELCh(42, 28.710, 282.672)

Have a look what the booklet for
CIELCh(42, 28.710, 282.672)
contains.

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Color

CIELCh(42, 28.710, 282.672)

Conversions

Conversions Part 1

Format	Color
Hex	506291
RGB	80, 98, 145
RGB Percent	31%, 38%, 57%
CMY	0.6860, 0.6155, 0.4311
CMYK	0.45, 0.32, 0.00, 0.43
HSL	223°, 29%, 44%
HSV	223°, 45%, 57%
XYZ	12.8016, 12.5000, 28.5502
YIQ	97.9760, -25.8150, 10.8010

Conversions

Conversions Part 2

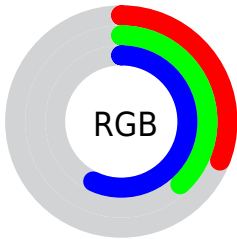
Format	Color
R _{YB}	80, 94, 145
Decimal	5268113
CIE Lab	42.00, 6.30, -28.01
CIE LCh	42, 28.710, 282.672
Yxy	12.5000, 0.2377, 0.2321
Android (android.graphics.Color)	4283458193 (0xFF506291)
YUV	97.9760, 23.1828, -15.7650
Hunter-Lab	35.3553, 2.7602, -23.1292

Details

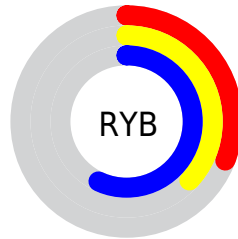
The CIELCh color **42, 28.710, 282.672** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **54, 28.030, 89.856**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 28.912, 282.995**, and **22, 28.528, 282.443** is the 20% darker color. If you saturate the color by 10%, you get **38, 35.564, 285.067**, and if you desaturate by 10%, it is **46, 22.039, 280.598**.

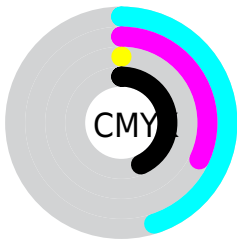
Distribution



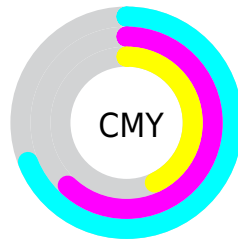
- Red (31%)
- Green (38%)
- Blue (57%)



- Red (31%)
- Yellow (37%)
- Blue (57%)



- Cyan (45%)
- Magenta (32%)
- Yellow (0%)
- Black (43%)



- Cyan (69%)
- Magenta (62%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 28.710, 282.672 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, 28.710, 282.672 by changing the saturation by 10% instead.

■ 42, 28.710,
282.672

■ 42, 28.710,
282.672

■ 100, 28.710,
282.672

■ 32, 28.710,
282.672

■ 62, 28.710,
282.672

■ 22, 28.710,
282.672

■ 72, 28.710,
282.672

■ 12, 28.710,
282.672

■ 82, 28.710,
282.672

■ 2, 28.710, 282.672

■ 92, 28.710,
282.672

■ 0, 28.710, 282.672

■ 42, 28.710,

■ 42, 28.710,

282.672

■ 38, 35.564,
285.067

■ 34, 42.625,
287.792

■ 30, 49.898,
290.817

■ 27, 57.335,
294.048

■ 24, 64.769,
297.302

■ 22, 68.553,
298.813

282.672

■ 46, 22.039,
280.598

■ 50, 15.531,
278.815

■ 54, 9.172, 277.288

■ 58, 2.951, 276.003

■ 62, 3.139, 94.756

■ 66, 9.102, 93.797

■ 70, 14.941, 92.937

■ 74, 20.659, 92.177

■ 78, 26.258, 91.503

Harmonies

Complementary

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



42, 28.710, 282.672



54, 28.030, 89.856

Rectangle

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



42, 28.710, 282.672



42, 28.710, 332.672



42, 28.710, 102.672



42, 28.710, 152.672

Sweetspot

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



42, 28.709, 282.672



70, 9.964, 277.074



56, 25.648, 172.585



35, 6.964, 277.354



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 28.709, 282.672



49, 43.442, 285.148



38, 40.261, 302.470



28, 3.433, 276.529



20, 64.686, 298.594



1, 2.299, 275.383

Inverse Universe

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



42, 29.444, 3.126



50, 44.030, 5.197



58, 36.315, 115.774



28, 3.466, 358.365



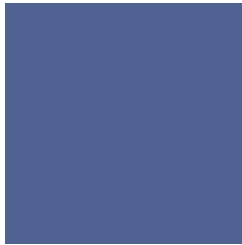
28, 54.839, 21.552



0, 2.297, 357.581

Previews

White Background



This preview shows how the CIELCh color 42, 28.710, 282.672 looks on a white background.

Color Contrast Check

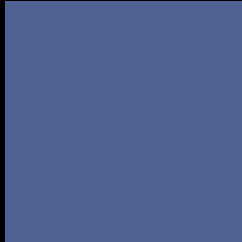
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.710, 282.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

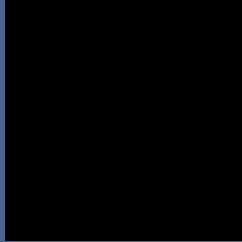
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

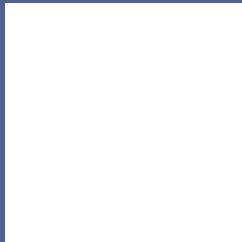
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 28.710, 282.672

Background



This preview shows how black text looks on a background with the CIELCh color 42, 28.710, 282.672.



This preview shows how white text looks on a background with the CIELCh color 42, 28.710, 282.672.

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, 28.710, 282.672

Protanopia

42, 28.585, 285.105

Deuteranopia

42, 28.759, 282.094



Tritanopia
42, 12.921, 223.248

Trichromacy



Original Color
42, 28.710, 282.672

Protanomaly
42, 28.624, 284.502

Deuteranomaly
42, 28.759, 282.094

Tritanomaly
42, 16.564, 256.370

Monochromacy



Original Color
42, 28.710, 282.672

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 10.565, 277.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 28.710, 282.672 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(80, 98, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 98, 145)  
}
```

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(80, 98, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 98, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 28.710, 282.672 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(80, 98, 145) }
```

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

```
.border{ border-color:rgb(80, 98, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 98, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 98, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 98, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 98,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 28.710, 282.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 98, 145) }
```

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

```
.background{ background-color: rgb(80, 98,  
145) }
```

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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