

Converting Colors

CIELCh(42, 29.809, 285.766)

Have a look what the booklet for
CIELCh(42, 29.809, 285.766)
contains.

CIELCh(42, 29.759, 285.709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 29.759, 285.709)

Conversions

Conversions Part 1

Format	Color
Hex	536192
RGB	83, 97, 146
RGB Percent	33%, 38%, 57%
CMY	0.6739, 0.6191, 0.4269
CMYK	0.43, 0.34, 0.00, 0.43
HSL	227°, 27%, 45%
HSV	227°, 43%, 57%
XYZ	13.0670, 12.5000, 28.9784
YIQ	98.4000, -24.0730, 12.2710

Conversions

Conversions Part 2

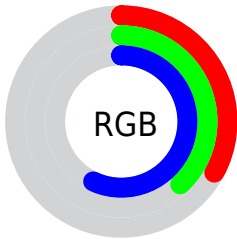
Format	Color
R _Y B	83, 94, 146
Decimal	5464466
CIE Lab	42.00, 8.06, -28.65
CIE LCh	42, 29.759, 285.709
Yxy	12.5000, 0.2396, 0.2292
Android (android.graphics.Color)	4283654546 (0xFF536192)
YUV	98.4000, 23.4668, -13.5058
Hunter-Lab	35.3553, 4.1002, -23.8472

Details

The CIELCh color $42, 29.759, 285.709$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 28.414, 93.976$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 29.891, 285.931$, and $22, 29.678, 285.787$ is the 20% darker color. If you saturate the color by 10%, you get $38, 37.230, 287.960$, and if you desaturate by 10%, it is $46, 22.523, 283.760$.

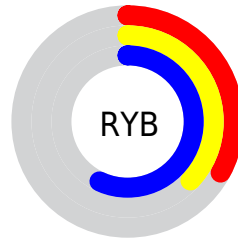
Distribution



Red (33%)

Green (38%)

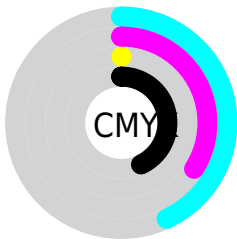
Blue (57%)



Red (33%)

Yellow (37%)

Blue (57%)

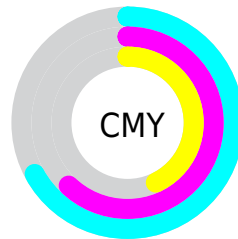


Cyan (43%)

Magenta (34%)

Yellow (0%)

Black (43%)



Cyan (67%)


Magenta (62%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 29.759, 285.709 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, 29.759, 285.709 by changing the saturation by 10% instead.


 42, 29.759,
285.709


 42, 29.759,
285.709


 100, 29.759,
285.709


 32, 29.759,
285.709

 62, 29.759,
285.709


 22, 29.759,
285.709

 72, 29.759,
285.709

 12, 29.759,
285.709

 82, 29.759,
285.709

 2, 29.759, 285.709

 92, 29.759,
285.709

 0, 29.759, 285.709

 42, 29.759,

 42, 29.759,

285.709

■ 38, 37.230,
287.960

■ 34, 44.954,
290.518

■ 30, 52.914,
293.349

■ 26, 61.006,
296.351

■ 23, 68.947,
299.339

■ 21, 74.114,
301.148

285.709

■ 46, 22.523,
283.760

■ 51, 15.503,
282.084

■ 55, 8.679, 280.649

■ 59, 2.037, 279.459

■ 64, 4.435, 98.291

■ 68, 10.746, 97.379

■ 72, 16.901, 96.571

■ 76, 22.908, 95.859

■ 80, 28.771, 95.229

Harmonies

Complementary

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



42, 29.759, 285.709



55, 28.414, 93.976

Rectangle

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



42, 29.759, 285.709



42, 29.759, 335.709



42, 29.759, 105.709



42, 29.759, 155.709

Sweetspot

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



42, 29.758, 285.709



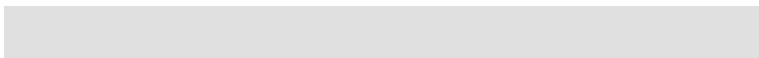
70, 10.721, 280.671



56, 24.018, 176.541



36, 7.581, 280.947



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



42, 29.758, 285.709



50, 45.393, 287.957



40, 38.959, 303.827



29, 3.759, 280.151



19, 70.612, 300.990



1, 3.253, 279.046

Inverse Universe

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



43, 28.161, 6.897



52, 42.628, 8.903



58, 35.496, 118.003



29, 3.486, 2.357



28, 57.291, 26.270



1, 2.984, 1.578

Previews

White Background



This preview shows how the CIELCh color 42, 29.759, 285.709 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, 29.759, 285.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

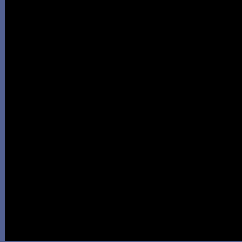
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

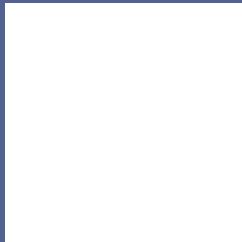
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 29.759, 285.709

Background



This preview shows how black text looks on a background with the CIELCh color 42, 29.759, 285.709.

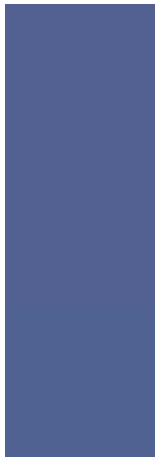


This preview shows how white text looks on a background with the CIELCh color 42, 29.759, 285.709.

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, 29.759, 285.709

Protanopia

42, 29.796, 285.136

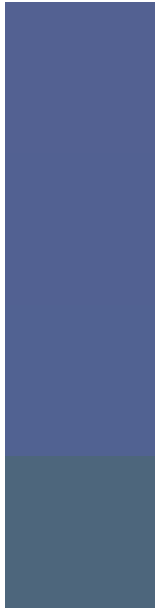
Deuteranopia

42, 29.338, 282.475



Tritanopia
42, 11.867, 222.449

Trichromacy



Original Color
42, 29.759, 285.709

Protanomaly
42, 29.796, 285.136

Deuteranomaly
42, 29.246, 283.608

Tritanomaly
42, 15.599, 257.797

Monochromacy



Original Color
42, 29.759, 285.709

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 11.013, 281.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 29.759, 285.709 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(83, 97, 146)` looks like.

```
.text, #text, p{  
    color:rgb(83, 97, 146)  
}
```

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(83, 97, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 97, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 29.759, 285.709 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(83, 97, 146) }
```

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

```
.border{ border-color:rgb(83, 97, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 97, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 97, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 97, 146);  
box-shadow:4px 4px 4px 4px rgb(83, 97,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 29.759, 285.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 97, 146) }
```

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

```
.background{ background-color: rgb(83, 97,  
146) }
```

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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