

Converting Colors

CIELCh(43, 42.653, 291.169)

Have a look what the booklet for
CIELCh(43, 42.653, 291.169)
contains.

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Color

CIELCh(43, 42.629, 290.915)

Conversions

Conversions Part 1

Format	Color
Hex	5461A8
RGB	84, 97, 168
RGB Percent	33%, 38%, 66%
CMY	0.6722, 0.6211, 0.3428
CMYK	0.50, 0.42, 0.00, 0.34
HSL	231°, 33%, 49%
HSV	231°, 50%, 66%
XYZ	14.8882, 13.1578, 38.5965
YIQ	101.2070, -30.5390, 19.3250

Conversions

Conversions Part 2

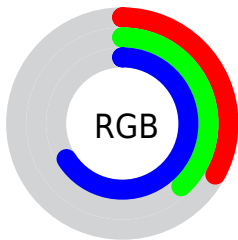
Format	Color
R_{YB}	84, 95, 168
Decimal	5530024
CIE _{Lab}	43.00, 15.22, -39.82
CIE _{LCh}	43, 42.629, 290.915
Yxy	13.1578, 0.2234, 0.1974
Android (android.graphics.Color)	4283720104 (0xFF5461A8)
YUV	101.2070, 32.9289, -15.0905
Hunter-Lab	36.2736, 9.7847, -37.6952

Details

The CIELCh color $43, 42.629, 290.915$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 38.989, 97.362$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 43.059, 291.048$, and $23, 42.471, 290.843$ is the 20% darker color. If you saturate the color by 10%, you get $38, 52.076, 293.301$, and if you desaturate by 10%, it is $48, 33.514, 288.819$.

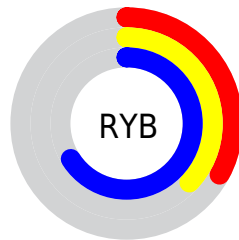
Distribution



Red (33%)

Green (38%)

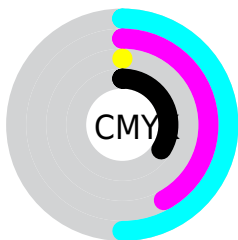
Blue (66%)



Red (33%)

Yellow (37%)

Blue (66%)

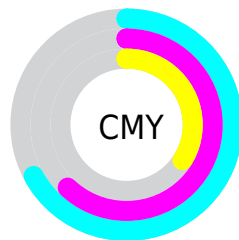


Cyan (50%)

Magenta (42%)

Yellow (0%)

Black (34%)



Cyan (67%)


Magenta (62%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 42.629, 290.915 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 43, 42.629, 290.915 by changing the saturation by 10% instead.


 43, 42.629,
290.915


 43, 42.629,
290.915


 100, 42.629,
290.915


 33, 42.629,
290.915

 63, 42.629,
290.915


 23, 42.629,
290.915

 73, 42.629,
290.915

 13, 42.629,
290.915

 83, 42.629,
290.915

 3, 42.629, 290.915

 93, 42.629,
290.915

 0, 42.629, 290.915

 43, 42.629,

 43, 42.629,

290.915

■ 38, 52.076,
293.301

■ 33, 61.797,
295.934

■ 29, 71.576,
298.695

■ 25, 80.896,
301.372

■ 22, 88.830,
303.588

290.915

■ 48, 33.514,
288.819

■ 53, 24.728,
287.007

■ 58, 16.247,
285.455

■ 64, 8.046, 284.132

■ 69, 0.103, 284.107

■ 74, 7.599, 101.978

■ 79, 15.077,
101.136

■ 84, 22.341,
100.399

■ 89, 29.403, 99.754

Harmonies

Complementary

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



43, 42.629, 290.915



64, 38.989, 97.362

Rectangle

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



43, 42.629, 290.915



43, 42.629, 340.915



43, 42.629, 110.915



43, 42.629, 160.915

Sweetspot

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



43, 42.628, 290.916



77, 14.818, 284.786



63, 29.011, 181.186



40, 10.223, 285.059



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



43, 42.628, 290.916



49, 64.183, 293.542



42, 51.330, 306.520



33, 4.509, 284.031



19, 80.400, 303.354



1, 8.316, 284.117

Inverse Universe

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



46, 36.823, 13.465



55, 54.802, 16.197



65, 46.293, 120.402



33, 3.797, 7.472



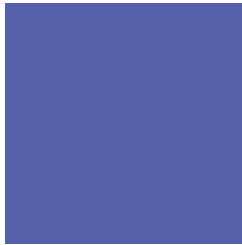
30, 63.160, 31.625



1, 6.712, 8.435

Previews

White Background



This preview shows how the CIE LCh color 43, 42.629, 290.915 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 43, 42.629, 290.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

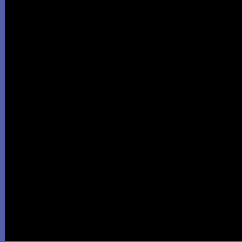
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 42.629, 290.915

Background



This preview shows how black text looks on a background with the CIELCh color 43, 42.629, 290.915.



This preview shows how white text looks on a background with the CIELCh color 43, 42.629, 290.915.

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

43, 42.629, 290.915

Protanopia

43, 42.862, 286.094

Deuteranopia

43, 39.320, 279.033



Tritanopia
43, 14.753, 217.106

Trichromacy



Original Color
43, 42.629, 290.915

Protanomaly
43, 42.778, 287.764

Deuteranomaly
43, 40.652, 283.640

Tritanomaly
43, 20.678, 264.120

Monochromacy



Original Color
43, 42.629, 290.915

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 15.721, 287.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 42.629, 290.915 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(84, 97, 168)` looks like.

```
.text, #text, p{  
    color:rgb(84, 97, 168)  
}
```

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(84, 97, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 97, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 42.629, 290.915 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(84, 97, 168) }
```

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

```
.border{ border-color:rgb(84, 97, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 97, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 97, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 97, 168);  
box-shadow:4px 4px 4px 4px rgb(84, 97,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 42.629, 290.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 97, 168) }
```

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

```
.background{ background-color: rgb(84, 97,  
168) }
```

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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