

Converting Colors

CIELCh(50, 29.300, 273.483)

Have a look what the booklet for
CIELCh(50, 29.300, 273.483)
contains.

CIELCh(50, 29.347, 273.531)	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(50, 29.347, 273.531)

Conversions

Conversions Part 1

Format	Color
Hex	5778A8
RGB	87, 120, 168
RGB Percent	34%, 47%, 66%
CMY	0.6572, 0.5278, 0.3395
CMYK	0.48, 0.29, 0.00, 0.34
HSL	216°, 32%, 50%
HSV	216°, 48%, 66%
XYZ	17.8422, 18.4187, 39.8701
YIQ	115.6050, -35.0760, 7.9320

Conversions

Conversions Part 2

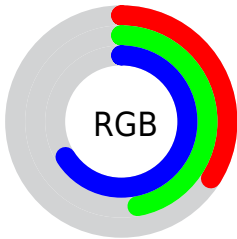
Format	Color
R _Y B	87, 110, 168
Decimal	5732520
CIE Lab	50.00, 1.81, -29.29
CIE LCh	50, 29.347, 273.531
Yxy	18.4187, 0.2344, 0.2419
Android (android.graphics.Color)	4283922600 (0xFF5778A8)
YUV	115.6050, 25.8307, -25.0866
Hunter-Lab	42.9170, -0.8956, -25.0388

Details

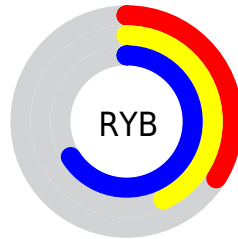
The CIELCh color **50, 29.347, 273.531** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **59, 31.105, 78.433**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 29.165, 273.551**, and **30, 29.424, 273.669** is the 20% darker color. If you saturate the color by 10%, you get **46, 35.543, 276.326**, and if you desaturate by 10%, it is **54, 23.193, 271.129**.

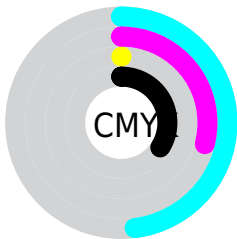
Distribution



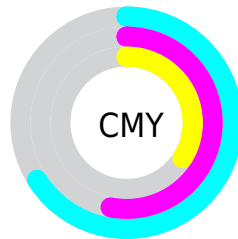
- Red (34%)
- Green (47%)
- Blue (66%)



- Red (34%)
- Yellow (43%)
- Blue (66%)



- Cyan (48%)
- Magenta (29%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (53%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.347, 273.531 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 50, 29.347, 273.531 by changing the saturation by 10% instead.

■ 50, 29.347,
273.531

■ 50, 29.347,
273.531

■ 100, 29.347,
273.531

■ 40, 29.347,
273.531

■ 70, 29.347,
273.531

■ 30, 29.347,
273.531

■ 80, 29.347,
273.531

■ 20, 29.347,
273.531

■ 90, 29.347,
273.531

■ 10, 29.347,
273.531

■ 0, 29.347, 273.531

■ 50, 29.347,
273.531

■ 50, 29.347,
273.531

46, 35.543,
276.326

54, 23.193,
271.129

42, 41.815,
279.530

58, 17.068,
269.079

39, 48.208,
283.119

62, 10.968,
267.337

36, 54.761,
286.996

66, 4.896, 265.870

32, 61.481,
290.930

70, 1.140, 84.306

74, 7.130, 83.391

32, 62.783,
291.622

78, 13.068, 82.446

82, 18.944, 81.612

86, 24.753, 80.875

Harmonies

Complementary

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



50, 29.347, 273.531



59, 31.105, 78.433

Rectangle

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



50, 29.347, 273.531



50, 29.347, 323.531



50, 29.347, 93.531



50, 29.347, 143.531

Sweetspot

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



50, 29.346, 273.531



81, 10.509, 266.741



63, 34.408, 163.339



42, 7.248, 267.058



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 29.346, 273.531



59, 43.998, 276.615



41, 49.027, 299.152



34, 3.421, 266.030



28, 56.421, 291.164



2, 6.594, 269.743

Inverse Universe

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



48, 37.261, 354.596



57, 54.877, 356.647



67, 43.208, 109.551



33, 4.267, 349.750



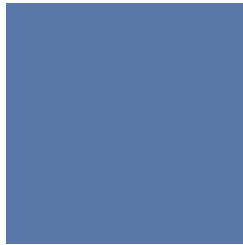
31, 56.358, 9.985



2, 7.416, 352.562

Previews

White Background



This preview shows how the CIELCh color 50, 29.347, 273.531 looks on a white background.

Color Contrast Check

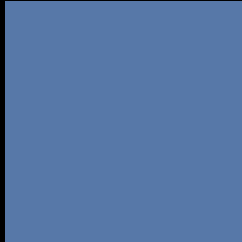
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 29.347, 273.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

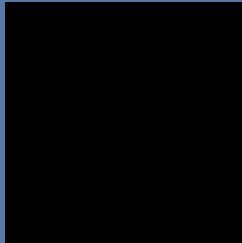
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

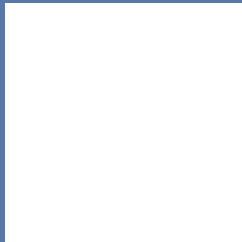
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 29.347, 273.531

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.347, 273.531.

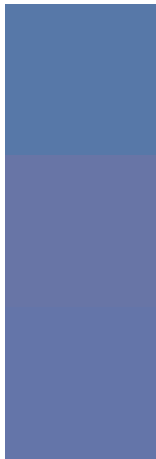


This preview shows how white text looks on a background with the CIELCh color 50, 29.347, 273.531.

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

50, 29.347, 273.531

Protanopia

50, 28.823, 285.349

Deuteranopia

50, 30.687, 283.876



Tritanopia
50, 17.243, 220.005

Trichromacy



Original Color
50, 29.347, 273.531

Protanomaly
50, 29.098, 281.138

Deuteranomaly
50, 30.378, 280.229

Tritanomaly
50, 19.387, 245.248

Monochromacy



Original Color
50, 29.347, 273.531

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 10.796, 267.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.347, 273.531 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(87, 120, 168)` looks like.

```
.text, #text, p{  
    color:rgb(87, 120, 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(87, 120, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 120, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.347, 273.531 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(87, 120, 168) }
```

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

```
.border{ border-color:rgb(87, 120, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 120, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 120, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 120, 168); box-shadow:4px 4px 4px 4px rgb(87, 120, 168) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.347, 273.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 120, 168) }
```

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

```
.background{ background-color: rgb(87, 120,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor