

Converting Colors

CIELCh(50, 28.276, 276.946)

Have a look what the booklet for
CIELCh(50, 28.276, 276.946)
contains.

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Color

CIELCh(50, 28.253, 277.388)

Conversions

Conversions Part 1

Format	Color
Hex	5E77A6
RGB	94, 119, 166
RGB Percent	37%, 47%, 65%
CMY	0.6302, 0.5322, 0.3479
CMYK	0.43, 0.28, 0.00, 0.35
HSL	219°, 29%, 51%
HSV	219°, 43%, 65%
XYZ	18.1857, 18.4187, 38.8155
YIQ	116.8830, -29.9870, 9.3170

Conversions

Conversions Part 2

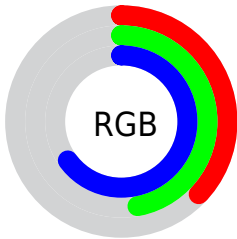
Format	Color
R _Y B	94, 113, 166
Decimal	6191014
CIE Lab	50.00, 3.63, -28.02
CIE LCh	50, 28.253, 277.388
Yxy	18.4187, 0.2411, 0.2442
Android (android.graphics.Color)	4284381094 (0xFF5E77A6)
YUV	116.8830, 24.2147, -20.0684
Hunter-Lab	42.9170, 0.5331, -23.5819

Details

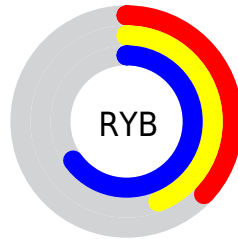
The CIELCh color **50, 28.253, 277.388** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **60, 28.671, 84.402**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 28.141, 277.157**, and **30, 28.279, 277.567** is the 20% darker color. If you saturate the color by 10%, you get **46, 35.050, 279.896**, and if you desaturate by 10%, it is **54, 21.571, 275.229**.

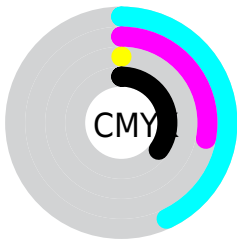
Distribution



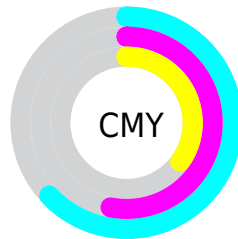
- Red (37%)
- Green (47%)
- Blue (65%)



- Red (37%)
- Yellow (44%)
- Blue (65%)



- Cyan (43%)
- Magenta (28%)
- Yellow (0%)
- Black (35%)



- Cyan (63%)
- Magenta (53%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.253, 277.388 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, 28.253, 277.388 by changing the saturation by 10% instead.

■ 50, 28.253,
277.388

■ 50, 28.253,
277.388

■ 100, 28.253,
277.388

■ 40, 28.253,
277.388

■ 70, 28.253,
277.388

■ 30, 28.253,
277.388

■ 80, 28.253,
277.388

■ 20, 28.253,
277.388

■ 90, 28.253,
277.388

■ 10, 28.253,
277.388

■ 0, 28.253, 277.388

■ 50, 28.253,
277.388

■ 50, 28.253,
277.388

46, 35.050,
279.896

54, 21.571,
275.229

42, 41.992,
282.777

58, 14.990,
273.382

38, 49.111,
286.017

63, 8.500, 271.808

67, 2.099, 270.524

34, 56.421,
289.543

71, 4.211, 89.193

31, 63.878,
293.205

75, 10.429, 88.203

29, 68.903,
295.519

79, 16.551, 87.320

84, 22.577, 86.540

88, 28.505, 85.847

Harmonies

Complementary

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



50, 28.253, 277.388



60, 28.671, 84.402

Rectangle

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



50, 28.253, 277.388



50, 28.253, 327.388



50, 28.253, 97.388



50, 28.253, 147.388

Sweetspot

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



50, 28.252, 277.388



80, 10.308, 271.799



63, 29.298, 168.114



41, 7.281, 272.115



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, 28.252, 277.388



60, 42.413, 279.805



44, 43.328, 300.354



33, 3.644, 271.249



25, 62.573, 295.145



2, 6.960, 273.800

Inverse Universe

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



49, 32.476, 357.912



59, 48.238, 359.680



66, 38.964, 112.911



33, 4.120, 353.580



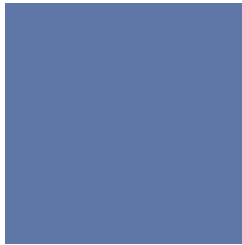
31, 57.079, 15.685



2, 7.201, 356.049

Previews

White Background



This preview shows how the CIE LCh color 50, 28.253, 277.388 looks on a white background.

Color Contrast Check

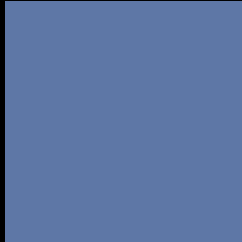
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 28.253, 277.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

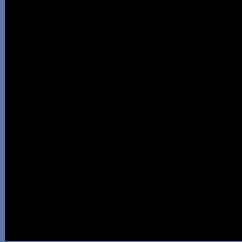
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

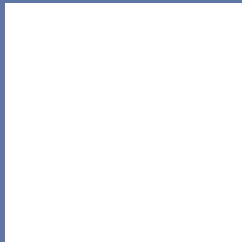
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 28.253, 277.388

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.253, 277.388.



This preview shows how white text looks on a background with the CIELCh color 50, 28.253, 277.388.

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, 28.253, 277.388

Protanopia

50, 27.681, 284.790

Deuteranopia

50, 29.469, 284.427



Tritanopia
50, 14.666, 221.829

Trichromacy



Original Color
50, 28.253, 277.388

Protanomaly
50, 27.869, 281.594

Deuteranomaly
50, 29.046, 281.717

Tritanomaly
50, 17.314, 250.083

Monochromacy



Original Color
50, 28.253, 277.388

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 10.429, 272.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.253, 277.388 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(94, 119, 166)` looks like.

```
.text, #text, p{  
    color:rgb(94, 119, 166)  
}
```

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(94, 119, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 119, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.253, 277.388 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(94, 119, 166) }
```

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

```
.border{ border-color:rgb(94, 119, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 119, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 119, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 119, 166);  
box-shadow:4px 4px 4px 4px rgb(94, 119,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.253, 277.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 119, 166) }
```

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

```
.background{ background-color: rgb(94, 119,  
166) }
```

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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