

Converting Colors

CIELCh(50, 27.344, 280.199)

Have a look what the booklet for
CIELCh(50, 27.344, 280.199)
contains.

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Color

CIELCh(50, 27.362, 280.595)

Conversions

Conversions Part 1

Format	Color
Hex	6376A4
RGB	99, 118, 164
RGB Percent	39%, 46%, 64%
CMY	0.6102, 0.5357, 0.3552
CMYK	0.40, 0.28, 0.00, 0.36
HSL	222°, 26%, 52%
HSV	222°, 40%, 64%
XYZ	18.4517, 18.4187, 37.9007
YIQ	117.5630, -26.0900, 10.2780

Conversions

Conversions Part 2

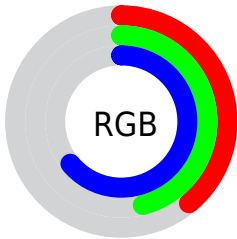
Format	Color
R _Y B	99, 114, 164
Decimal	6518436
CIE Lab	50.00, 5.03, -26.90
CIE LCh	50, 27.362, 280.595
Yxy	18.4187, 0.2468, 0.2463
Android (android.graphics.Color)	4284708516 (0xFF6376A4)
YUV	117.5630, 22.8934, -16.2798
Hunter-Lab	42.9170, 1.6394, -22.3181

Details

The CIELCh color `50, 27.362, 280.595` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `61, 27.016, 89.339`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 27.267, 280.535`, and `30, 27.354, 280.627` is the 20% darker color. If you saturate the color by 10%, you get `46, 34.676, 282.880`, and if you desaturate by 10%, it is `54, 20.223, 278.628`.

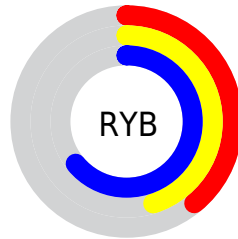
Distribution



Red (39%)

Green (46%)

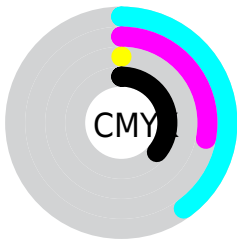
Blue (64%)



Red (39%)

Yellow (45%)

Blue (64%)

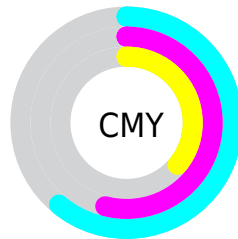


Cyan (40%)

Magenta (28%)

Yellow (0%)

Black (36%)



Cyan (61%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 27.362, 280.595 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, 27.362, 280.595 by changing the saturation by 10% instead.

■ 50, 27.362,
280.595

■ 50, 27.362,
280.595

■ 100, 27.362,
280.595

■ 40, 27.362,
280.595

■ 70, 27.362,
280.595

■ 30, 27.362,
280.595

■ 80, 27.362,
280.595

■ 20, 27.362,
280.595

■ 90, 27.362,
280.595

■ 10, 27.362,
280.595

■ 0, 27.362, 280.595

■ 50, 27.362,
280.595

■ 50, 27.362,
280.595

46, 34.676,
282.880

54, 20.223,
278.628

41, 42.192,
285.508

59, 13.241,
276.944

37, 49.933,
288.472

63, 6.404, 275.508

68, 0.297, 93.609

33, 57.892,
291.712

72, 6.864, 93.123

30, 65.977,
295.092

77, 13.302, 92.195

26, 73.959,
298.311

81, 19.611, 91.375

85, 25.795, 90.651

26, 74.319,
298.444

90, 31.855, 90.007

Harmonies

Complementary

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



50, 27.362, 280.595



61, 27.016, 89.339

Rectangle

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



50, 27.362, 280.595



50, 27.362, 330.595



50, 27.362, 100.595



50, 27.362, 150.595

Sweetspot

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



50, 27.361, 280.595



79, 10.013, 275.870



63, 25.699, 171.974



41, 6.637, 276.039



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



50, 27.361, 280.595



60, 40.720, 282.476



46, 39.003, 301.428



32, 3.773, 275.472



23, 67.181, 298.087



1, 6.002, 276.244

Inverse Universe

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



50, 28.801, 1.193



60, 42.637, 2.671



65, 35.609, 115.349



32, 3.903, 357.314



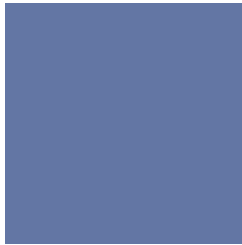
30, 57.536, 20.628



1, 5.881, 358.460

Previews

White Background



This preview shows how the CIELCh color 50, 27.362, 280.595 looks on a white background.

Color Contrast Check

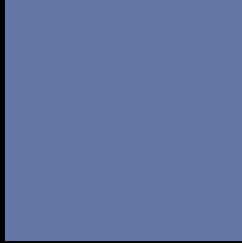
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.362, 280.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

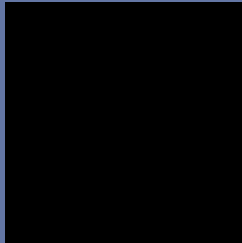
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

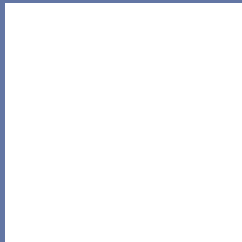
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 27.362, 280.595

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.362, 280.595.

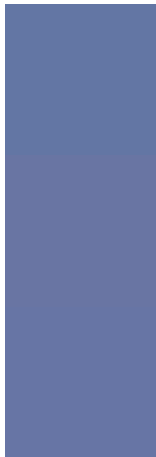


This preview shows how white text looks on a background with the CIELCh color 50, 27.362, 280.595.

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, 27.362, 280.595

Protanopia

50, 27.072, 285.161

Deuteranopia

50, 28.291, 284.448



Tritanopia
50, 12.682, 226.023

Trichromacy



Original Color
50, 27.362, 280.595

Protanomaly
50, 27.158, 283.145

Deuteranomaly
50, 27.770, 282.839

Tritanomaly
50, 16.062, 256.237

Monochromacy



Original Color
50, 27.362, 280.595

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 10.237, 276.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 27.362, 280.595 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(99, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(99, 118, 164)  
}
```

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(99, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 118, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.362, 280.595 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(99, 118, 164) }
```

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

```
.border{ border-color:rgb(99, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(99, 118,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.362, 280.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 118, 164) }
```

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

```
.background{ background-color: rgb(99, 118,  
164) }
```

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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