

Converting Colors

CIELCh(50, 23.371, 274.678)

Have a look what the booklet for
CIELCh(50, 23.371, 274.678)
contains.

CIELCh(50, 23.172, 273.840)	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, 23.172, 273.840)

Conversions

Conversions Part 1

Format	Color
Hex	61789E
RGB	97, 120, 158
RGB Percent	38%, 47%, 62%
CMY	0.6199, 0.5297, 0.3807
CMYK	0.39, 0.24, 0.00, 0.38
HSL	217°, 24%, 50%
HSV	217°, 39%, 62%
XYZ	17.7944, 18.4187, 34.9305
YIQ	117.4550, -25.9060, 6.9420

Conversions

Conversions Part 2

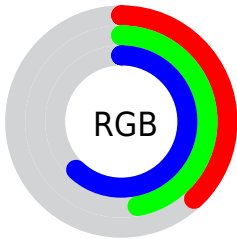
Format	Color
R_{YB}	97, 114, 158
Decimal	6387870
CIE _{Lab}	50.00, 1.55, -23.12
CIE _{LCh}	50, 23.172, 273.840
Yxy	18.4187, 0.2501, 0.2589
Android (android.graphics.Color)	4284577950 (0xFF61789E)
YUV	117.4550, 19.9887, -17.9390
Hunter-Lab	42.9170, -1.0942, -18.2148

Details

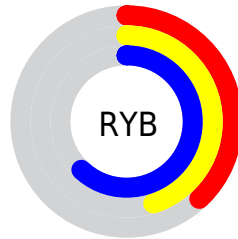
The CIELCh color `50, 23.172, 273.840` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `57, 23.879, 82.472`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 23.322, 274.430`, and `30, 22.740, 273.405` is the 20% darker color. If you saturate the color by 10%, you get `46, 29.315, 276.205`, and if you desaturate by 10%, it is `54, 17.092, 271.813`.

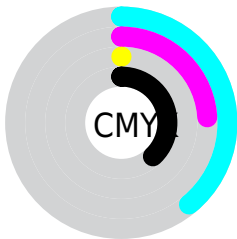
Distribution



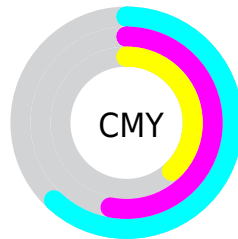
- Red (38%)
- Green (47%)
- Blue (62%)



- Red (38%)
- Yellow (45%)
- Blue (62%)



- Cyan (39%)
- Magenta (24%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 23.172, 273.840 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, 23.172, 273.840 by changing the saturation by 10% instead.

■ 50, 23.172,
273.840

■ 50, 23.172,
273.840

■ 100, 23.172,
273.840

■ 40, 23.172,
273.840

■ 70, 23.172,
273.840

■ 30, 23.172,
273.840

■ 80, 23.172,
273.840

■ 20, 23.172,
273.840

■ 90, 23.172,
273.840

■ 10, 23.172,
273.840

■ 0, 23.172, 273.840

■ 50, 23.172,
273.840

■ 50, 23.172,
273.840

46, 29.315,
276.205

54, 17.092,
271.813

42, 35.543,
278.946

58, 11.070,
270.085

39, 41.886,
282.073

62, 5.104, 268.622

66, 0.802, 87.013

35, 48.379,
285.554

70, 6.643, 86.158

32, 55.040,
289.286

73, 12.415, 85.212

29, 61.839,
293.009

77, 18.112, 84.374

81, 23.731, 83.634

29, 62.785,
293.478

85, 29.270, 82.976

Harmonies

Complementary

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



50, 23.172, 273.840



57, 23.879, 82.472

Rectangle

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



50, 23.172, 273.840



50, 23.172, 323.840



50, 23.172, 93.840



50, 23.172, 143.840

Sweetspot

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



50, 23.171, 273.839



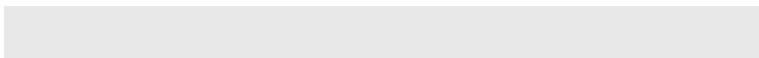
77, 8.850, 269.120



61, 25.982, 166.588



40, 5.920, 269.294



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



50, 23.171, 273.839



61, 34.480, 275.771



44, 36.680, 298.708



31, 3.350, 268.705



26, 57.791, 293.124



1, 4.455, 269.135

Inverse Universe

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



48, 28.077, 355.097



59, 41.607, 356.398



63, 33.404, 111.777



31, 3.979, 351.619



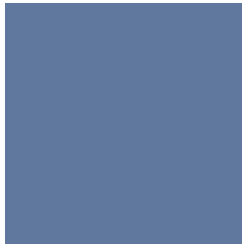
30, 55.182, 12.663



1, 5.069, 352.087

Previews

White Background



This preview shows how the CIE LCh color 50, 23.172, 273.840 looks on a white background.

Color Contrast Check

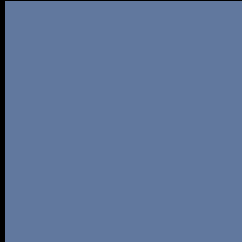
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 23.172, 273.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

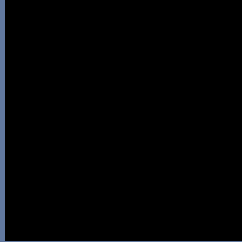
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

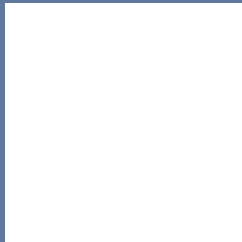
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 23.172, 273.840

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.172, 273.840.



This preview shows how white text looks on a background with the CIELCh color 50, 23.172, 273.840.

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, 23.172, 273.840

Protanopia

50, 22.948, 285.365

Deuteranopia

50, 24.674, 286.202



Tritanopia
50, 12.969, 225.338

Trichromacy



Original Color
50, 23.172, 273.840

Protanomaly
50, 23.143, 281.287

Deuteranomaly
50, 24.275, 282.074

Tritanomaly
50, 15.331, 248.795

Monochromacy



Original Color
50, 23.172, 273.840

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.675, 270.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.172, 273.840 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(97, 120, 158)` looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 158)  
}
```

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(97, 120, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.172, 273.840 is called "border". The border property can be set on classes, ids or directly on the HTML element.

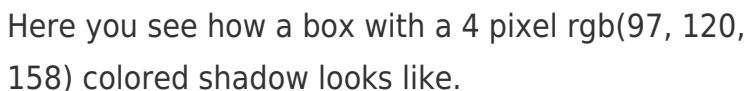
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 120, 158) }
```

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

```
.border{ border-color:rgb(97, 120, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 120, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 120, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 120, 158); box-shadow:4px 4px 4px 4px rgb(97, 120, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.172, 273.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 158) }
```

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

```
.background{ background-color: rgb(97, 120,  
158) }
```

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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