

Converting Colors

CIELCh(50, 23.094, 273.237)

Have a look what the booklet for
CIELCh(50, 23.094, 273.237)
contains.

CIELCh(50, 23.260, 273.117)	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, 23.260, 273.117)

Conversions

Conversions Part 1

Format	Color
Hex	60789E
RGB	96, 120, 158
RGB Percent	38%, 47%, 62%
CMY	0.6232, 0.5290, 0.3800
CMYK	0.39, 0.24, 0.00, 0.38
HSL	217°, 24%, 50%
HSV	217°, 39%, 62%
XYZ	17.7409, 18.4187, 35.0114
YIQ	117.1560, -26.5020, 6.7300

Conversions

Conversions Part 2

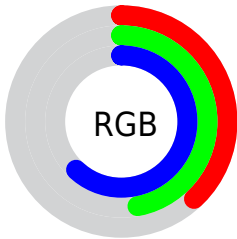
Format	Color
R_{YB}	96, 113, 158
Decimal	6322334
CIE _{Lab}	50.00, 1.26, -23.23
CIE _{LCh}	50, 23.260, 273.117
Yxy	18.4187, 0.2493, 0.2588
Android (android.graphics.Color)	4284512414 (0xFF60789E)
YUV	117.1560, 20.1361, -18.5538
Hunter-Lab	42.9170, -1.3168, -18.3266

Details

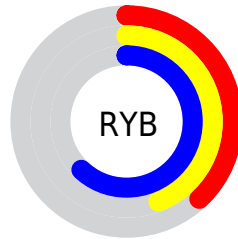
The CIELCh color $50, 23.260, 273.117$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $57, 24.117, 81.506$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 23.409, 273.694$, and $30, 22.903, 272.128$ is the 20% darker color. If you saturate the color by 10%, you get $46, 29.310, 275.517$, and if you desaturate by 10%, it is $54, 17.262, 271.062$.

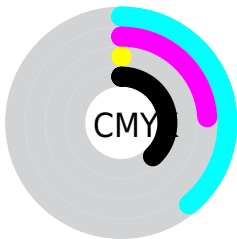
Distribution



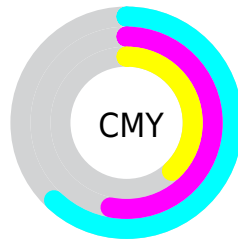
- Red (38%)
- Green (47%)
- Blue (62%)



- Red (38%)
- Yellow (44%)
- 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, 23.260, 273.117 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, 23.260, 273.117 by changing the saturation by 10% instead.


 50, 23.260,
273.117


 50, 23.260,
273.117


 100, 23.260,
273.117


 40, 23.260,
273.117


 70, 23.260,
273.117

 30, 23.260,
273.117


 80, 23.260,
273.117


 20, 23.260,
273.117

 90, 23.260,
273.117

 10, 23.260,
273.117

 0, 23.260, 273.117

 50, 23.260,
273.117

 50, 23.260,
273.117

46, 29.310,
275.517

54, 17.262,
271.062

43, 35.432,
278.299

58, 11.310,
269.310

39, 41.658,
281.473

62, 5.405, 267.827

65, 0.449, 85.966

35, 48.024,
285.004

69, 6.246, 85.335

32, 54.555,
288.791

73, 11.981, 84.381

29, 61.235,
292.546

77, 17.647, 83.537

81, 23.240, 82.791

29, 61.764,
292.816

85, 28.757, 82.128

Harmonies

Complementary

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



50, 23.260, 273.117



57, 24.117, 81.506

Rectangle

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



50, 23.260, 273.117



50, 23.260, 323.117



50, 23.260, 93.117



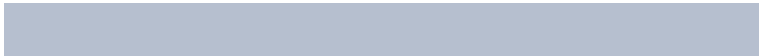
50, 23.260, 143.117

Sweetspot

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



50, 23.259, 273.116



77, 8.757, 268.246



60, 26.734, 165.495



40, 5.858, 268.421



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, 23.259, 273.116



60, 34.778, 275.183



44, 37.305, 298.276



31, 3.316, 267.831



26, 56.799, 292.452



1, 4.412, 268.334

Inverse Universe

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



48, 28.664, 354.518



58, 42.656, 355.887



63, 33.886, 110.991



31, 4.003, 350.988



30, 55.078, 11.718



1, 5.099, 351.478

Previews

White Background



This preview shows how the CIELCh color 50, 23.260, 273.117 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, 23.260, 273.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

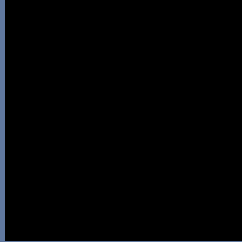
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

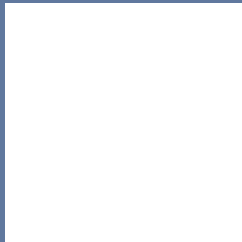
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 23.260, 273.117

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.260, 273.117.

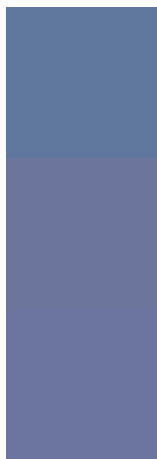


This preview shows how white text looks on a background with the CIELCh color 50, 23.260, 273.117.

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, 23.260, 273.117

Protanopia

50, 22.948, 285.365

Deuteranopia

50, 24.674, 286.202



Tritanopia
50, 13.255, 224.685

Trichromacy



Original Color
50, 23.260, 273.117

Protanomaly
50, 23.143, 281.287

Deuteranomaly
50, 24.275, 282.074

Tritanomaly
50, 15.535, 247.897

Monochromacy



Original Color
50, 23.260, 273.117

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.800, 268.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.260, 273.117 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(96, 120, 158)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 120, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 120, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.260, 273.117 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(96, 120, 158) }
```

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

```
.border{ border-color:rgb(96, 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(96, 120, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 120, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 120, 158);  
box-shadow:4px 4px 4px 4px rgb(96, 120,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.260, 273.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 120, 158) }
```

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

```
.background{ background-color: rgb(96, 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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