

Converting Colors

CIELCh(50, 23.065, 251.098)

Have a look what the booklet for
CIELCh(50, 23.065, 251.098)
contains.

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Color

CIELCh(50, 23.289, 252.559)

Conversions

Conversions Part 1

Format	Color
Hex	4C7C9C
RGB	76, 124, 156
RGB Percent	30%, 49%, 61%
CMY	0.7011, 0.5129, 0.3874
CMYK	0.51, 0.20, 0.00, 0.39
HSL	204°, 34%, 46%
HSV	204°, 51%, 61%
XYZ	16.2491, 18.4187, 34.2449
YIQ	113.2960, -38.8800, -0.2240

Conversions

Conversions Part 2

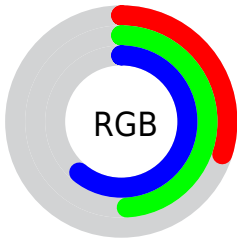
Format	Color
RYB	76, 106, 156
Decimal	5012636
CIELab	50.00, -6.98, -22.22
CIELCh	50, 23.289, 252.559
Yxy	18.4187, 0.2358, 0.2673
Android (android.graphics.Color)	4283202716 (0xFF4C7C9C)
YUV	113.2960, 21.0531, -32.7086
Hunter-Lab	42.9170, -7.5215, -17.2677

Details

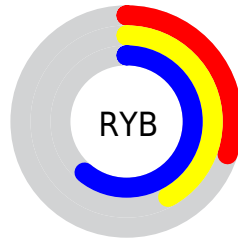
The CIELCh color **50, 23.289, 252.559** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 29.729, 59.049**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 23.507, 253.856**, and **30, 23.516, 253.695** is the 20% darker color. If you saturate the color by 10%, you get **47, 27.152, 255.466**, and if you desaturate by 10%, it is **53, 19.168, 250.148**.

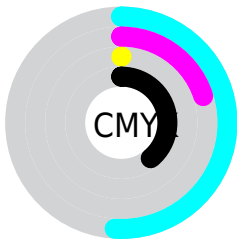
Distribution



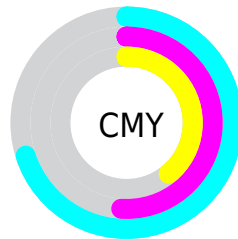
- Red (30%)
- Green (49%)
- Blue (61%)



- Red (30%)
- Yellow (42%)
- Blue (61%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (39%)



- Cyan (70%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 23.289, 252.559 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, 23.289, 252.559 by changing the saturation by 10% instead.

■ 50, 23.289,
252.559

■ 50, 23.289,
252.559

■ 100, 23.289,
252.559

■ 40, 23.289,
252.559

■ 70, 23.289,
252.559

■ 30, 23.289,
252.559

■ 80, 23.289,
252.559

■ 20, 23.289,
252.559

■ 90, 23.289,
252.559

■ 10, 23.289,
252.559

■ 0, 23.289, 252.559

■ 50, 23.289,
252.559

■ 50, 23.289,
252.559

47, 27.152,
255.466

53, 19.168,
250.148

45, 30.770,
258.927

55, 14.808,
248.163

43, 34.189,
262.963

58, 10.236,
246.535

40, 37.495,
267.525

61, 5.490, 245.215

38, 40.451,
271.655

64, 0.603, 244.642

67, 4.389, 63.014

70, 9.457, 62.280

73, 14.576, 61.636

76, 19.726, 61.083

Harmonies

Complementary

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



50, 23.289, 252.559



50, 29.729, 59.049

Rectangle

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



50, 23.289, 252.559



50, 23.289, 302.559



50, 23.289, 72.559



50, 23.289, 122.559

Sweetspot

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



50, 23.288, 252.558



77, 9.078, 245.719



58, 40.049, 153.610



39, 6.162, 245.976



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 23.288, 252.558



61, 33.545, 255.783



38, 44.063, 293.628



32, 2.804, 244.994



35, 37.651, 271.226



2, 3.762, 247.613

Inverse Universe

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



44, 41.088, 343.247



53, 59.114, 344.664



61, 39.412, 100.464



31, 4.607, 339.280



31, 56.956, 352.210



1, 5.844, 340.111

Previews

White Background



This preview shows how the CIELCh color 50, 23.289, 252.559 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, 23.289, 252.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

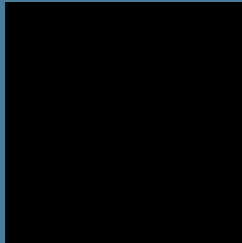
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

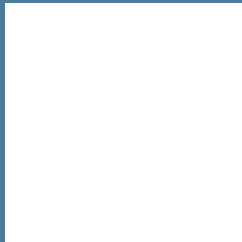
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 23.289, 252.559

Background



This preview shows how black text looks on a background with the CIELCh color 50, 23.289, 252.559.

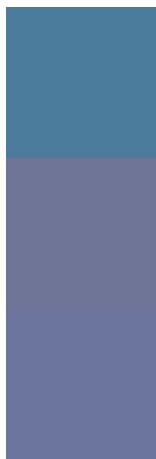


This preview shows how white text looks on a background with the CIELCh color 50, 23.289, 252.559.

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, 23.289, 252.559

Protanopia

50, 19.998, 285.667

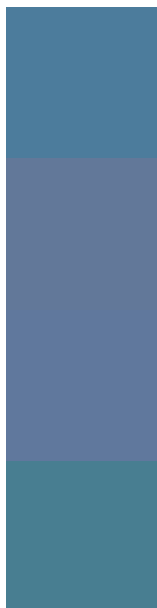
Deuteranopia

50, 24.098, 285.933



Tritanopia
50, 19.499, 217.117

Trichromacy



Original Color
50, 23.289, 252.559

Protanomaly
50, 20.402, 271.243

Deuteranomaly
50, 22.725, 272.472

Tritanomaly
50, 20.118, 231.815

Monochromacy



Original Color
50, 23.289, 252.559

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.170, 243.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 23.289, 252.559 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(76, 124, 156)` looks like.

```
.text, #text, p{  
    color:rgb(76, 124, 156)  
}
```

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(76, 124, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 124, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 23.289, 252.559 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(76, 124, 156) }
```

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

```
.border{ border-color:rgb(76, 124, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 124, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 124, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 124, 156);  
box-shadow:4px 4px 4px 4px rgb(76, 124,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 23.289, 252.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 124, 156) }
```

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

```
.background{ background-color: rgb(76, 124,  
156) }
```

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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