

Converting Colors

CIELCh(48, 23.704, 249.279)

Have a look what the booklet for
CIELCh(48, 23.704, 249.279)
contains.

CIELCh(48, 23.671, 249.367)	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(48, 23.671, 249.367)

Conversions

Conversions Part 1

Format	Color
Hex	437897
RGB	67, 120, 151
RGB Percent	26%, 47%, 59%
CMY	0.7381, 0.5302, 0.4087
CMYK	0.56, 0.21, 0.00, 0.41
HSL	202°, 39%, 43%
HSV	202°, 56%, 59%
XYZ	14.5580, 16.7945, 31.6587
YIQ	107.6870, -41.5390, -1.5950

Conversions

Conversions Part 2

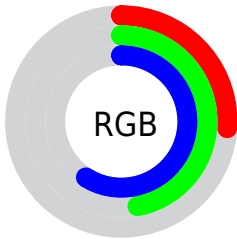
Format	Color
R_{YB}	67, 99, 151
Decimal	4421783
CIE _{Lab}	48.00, -8.34, -22.15
CIE _{LCh}	48, 23.671, 249.367
Yxy	16.7945, 0.2310, 0.2665
Android (android.graphics.Color)	4282611863 (0xFF437897)
YUV	107.6870, 21.3533, -35.6825
Hunter-Lab	40.9810, -8.3070, -17.1160

Details

The CIELCh color **48, 23.671, 249.367** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **47, 31.968, 55.593**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 23.623, 249.305**, and **28, 23.414, 249.151** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.054, 252.399**, and if you desaturate by 10%, it is **50, 19.986, 246.865**.

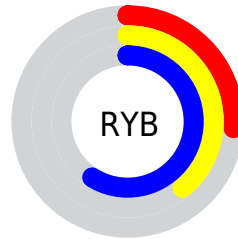
Distribution



Red (26%)

Green (47%)

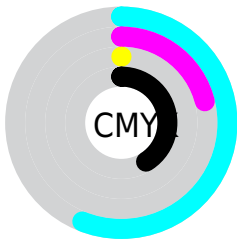
Blue (59%)



Red (26%)

Yellow (39%)

Blue (59%)

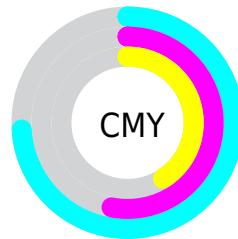


Cyan (56%)

Magenta (21%)

Yellow (0%)

Black (41%)



Cyan (74%)

Magenta (53%)

Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 23.671, 249.367 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 48, 23.671, 249.367 by changing the saturation by 10% instead.


 48, 23.671,
249.367


 48, 23.671,
249.367


 100, 23.671,
249.367


 38, 23.671,
249.367

 68, 23.671,
249.367


 28, 23.671,
249.367

 78, 23.671,
249.367

 18, 23.671,
249.367

 88, 23.671,
249.367

 8, 23.671, 249.367

 98, 23.671,
249.367

 0, 23.671, 249.367

 48, 23.671,

 48, 23.671,

249.367

249.367

■ 46, 27.054,
252.399

■ 50, 19.986,
246.865

■ 43, 30.155,
256.018

■ 53, 16.013,
244.819

■ 41, 33.029,
260.238

■ 55, 11.784,
243.154

■ 39, 35.787,
264.962

■ 58, 7.336, 241.808

■ 39, 37.011,
266.930

■ 61, 2.712, 240.780

■ 64, 2.051, 59.540

■ 66, 6.919, 58.913

■ 69, 11.862, 58.307

■ 72, 16.856, 57.791

Harmonies

Complementary

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



48, 23.671, 249.367



47, 31.968, 55.593

Rectangle

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



48, 23.671, 249.367



48, 23.671, 299.367



48, 23.671, 69.367



48, 23.671, 119.367

Sweetspot

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



48, 23.670, 249.366



74, 9.815, 242.007



56, 43.189, 151.592



38, 6.595, 242.238



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 23.670, 249.366



58, 33.914, 253.294



36, 45.098, 293.127



31, 2.699, 241.095



36, 34.951, 266.570



2, 2.966, 241.408

Inverse Universe

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



41, 43.840, 342.083



49, 62.610, 343.701



58, 40.263, 98.105



30, 4.583, 337.831



30, 57.091, 349.609



1, 4.876, 337.685

Previews

White Background



This preview shows how the CIELCh color 48, 23.671, 249.367 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 48, 23.671, 249.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

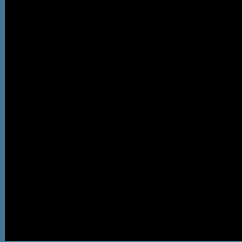
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

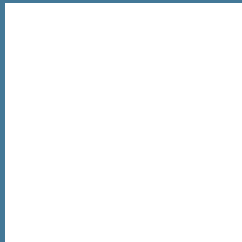
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 23.671, 249.367

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.671, 249.367.

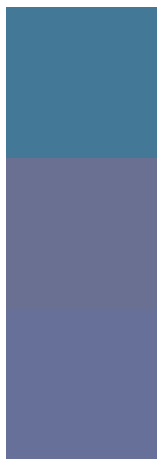


This preview shows how white text looks on a background with the CIELCh color 48, 23.671, 249.367.

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

48, 23.671, 249.367

Protanopia

48, 19.567, 285.491

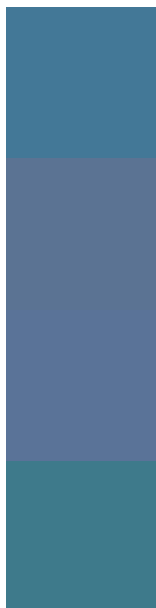
Deuteranopia

48, 24.278, 286.099



Tritanopia
48, 20.774, 214.095

Trichromacy



Original Color
48, 23.671, 249.367

Protanomaly
48, 20.213, 269.031

Deuteranomaly
48, 22.962, 272.012

Tritanomaly
48, 20.923, 226.612

Monochromacy



Original Color
48, 23.671, 249.367

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.742, 241.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.671, 249.367 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(67, 120, 151)` looks like.

```
.text, #text, p{  
    color:rgb(67, 120, 151)  
}
```

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(67, 120, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 120, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.671, 249.367 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(67, 120, 151) }
```

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

```
.border{ border-color:rgb(67, 120, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 120, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 120, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 120, 151); box-shadow:4px 4px 4px 4px rgb(67, 120, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.671, 249.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 120, 151) }
```

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

```
.background{ background-color: rgb(67, 120,  
151) }
```

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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