

Converting Colors

CIELCh(48, 9.900, 238.657)

Have a look what the booklet for
CIELCh(48, 9.900, 238.657) contains.

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Color

CIELCh(48, 9.952, 239.660)

Conversions

Conversions Part 1

Format	Color
Hex	607580
RGB	96, 117, 128
RGB Percent	38%, 46%, 50%
CMY	0.6232, 0.5408, 0.4977
CMYK	0.25, 0.09, 0.00, 0.50
HSL	201°, 14%, 44%
HSV	201°, 25%, 50%
XYZ	15.1058, 16.7945, 22.8974
YIQ	111.9750, -16.0470, -1.0310

Conversions

Conversions Part 2

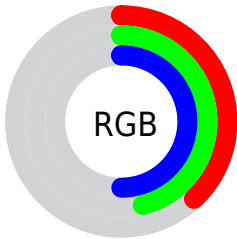
Format	Color
R_{YB}	96, 109, 128
Decimal	6321536
CIE _{Lab}	48.00, -5.03, -8.59
CIE _{LCh}	48, 9.952, 239.660
Yxy	16.7945, 0.2757, 0.3065
Android (android.graphics.Color)	4284511616 (0xFF607580)
YUV	111.9750, 7.9003, -14.0101
Hunter-Lab	40.9810, -5.9210, -4.4405

Details

The CIELCh color $48, 9.952, 239.660$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 11.297, 55.036$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 10.066, 240.151$, and $28, 9.857, 239.843$ is the 20% darker color. If you saturate the color by 10%, you get $46, 13.607, 241.151$, and if you desaturate by 10%, it is $50, 6.091, 238.455$.

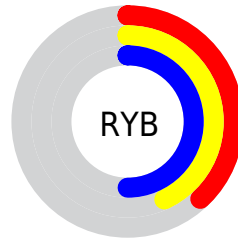
Distribution



Red (38%)

Green (46%)

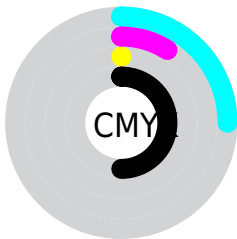
Blue (50%)



Red (38%)

Yellow (43%)

Blue (50%)

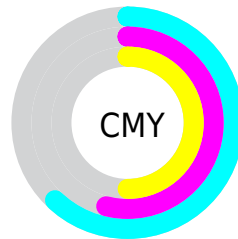


Cyan (25%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (62%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.952, 239.660 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, 9.952, 239.660 by changing the saturation by 10% instead.

■ 48, 9.952, 239.660

■ 48, 9.952, 239.660

■ 100, 9.952,
239.660

■ 38, 9.952, 239.660

■ 68, 9.952, 239.660

■ 28, 9.952, 239.660

■ 78, 9.952, 239.660

■ 18, 9.952, 239.660

■ 88, 9.952, 239.660

■ 8, 9.952, 239.660

■ 98, 9.952, 239.660

■ 0, 9.952, 239.660

■ 48, 9.952, 239.660

■ 48, 9.952, 239.660

■ 46, 13.607,
241.151

■ 50, 6.091, 238.455

■ 44, 17.020,

■ 52, 2.063, 237.574

243.003

55, 2.097, 56.433

42, 20.157,
245.283

57, 6.356, 55.883

40, 22.999,
248.066

59, 10.689, 55.362

38, 25.551,
251.421

62, 15.073, 54.922

36, 27.851,
255.383

64, 19.488, 54.554

35, 29.988,
259.882

67, 23.921, 54.245

34, 31.096,
262.068

69, 28.359, 53.984

Harmonies

Complementary

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



48, 9.952, 239.660



47, 11.297, 55.036

Rectangle

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



48, 9.952, 239.660



48, 9.952, 289.660



48, 9.952, 59.660



48, 9.952, 109.660

Sweetspot

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



48, 9.952, 239.654



66, 3.562, 237.723



51, 17.913, 153.765



34, 2.331, 237.758



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 9.952, 239.654



60, 14.561, 240.468



43, 16.094, 285.487



26, 2.306, 237.882



34, 30.985, 262.042



0, 0.000, 0.000

Inverse Universe

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



45, 17.995, 337.896



55, 26.689, 338.358



51, 15.570, 99.631



25, 4.007, 336.691



27, 54.111, 347.402



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 9.952, 239.660 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, 9.952, 239.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

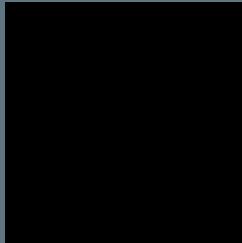
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

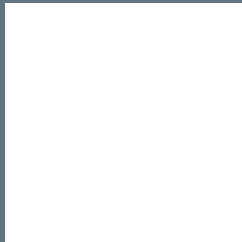
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 9.952, 239.660

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.952, 239.660.

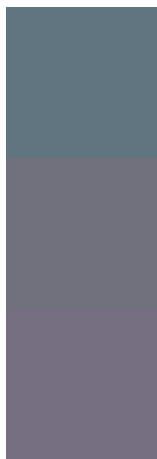


This preview shows how white text looks on a background with the CIELCh color 48, 9.952, 239.660.

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, 9.952, 239.660

Protanopia

48, 7.086, 287.994

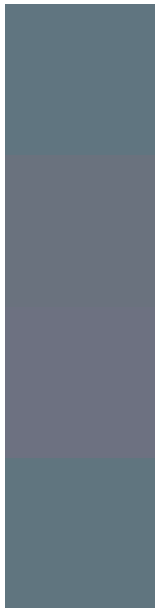
Deuteranopia

48, 10.922, 303.817



Tritanopia
48, 9.621, 236.745

Trichromacy



Original Color
48, 9.952, 239.660

Protanomaly
48, 7.641, 267.575

Deuteranomaly
48, 9.532, 282.274

Tritanomaly
48, 9.621, 236.745

Monochromacy



Original Color
48, 9.952, 239.660

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 3.893, 236.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.952, 239.660 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, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(96, 117, 128)  
}
```

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, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 117, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.952, 239.660 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, 117, 128) }
```

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

```
.border{ border-color:rgb(96, 117, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(96, 117,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.952, 239.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 117, 128) }
```

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

```
.background{ background-color: rgb(96, 117,  
128) }
```

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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