

Converting Colors

CIELCh(48, 9.142, 250.156)

Have a look what the booklet for
CIELCh(48, 9.142, 250.156) contains.

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Color

CIELCh(48, 9.120, 250.129)

Conversions

Conversions Part 1

Format	Color
Hex	647480
RGB	100, 116, 128
RGB Percent	39%, 45%, 50%
CMY	0.6074, 0.5446, 0.4976
CMYK	0.22, 0.09, 0.00, 0.50
HSL	206°, 12%, 45%
HSV	206°, 22%, 50%
XYZ	15.4305, 16.7945, 22.8905
YIQ	112.5840, -13.3880, 0.3400

Conversions

Conversions Part 2

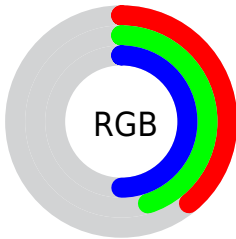
Format	Color
R_{YB}	100, 110, 128
Decimal	6583424
CIE Lab	48.00, -3.10, -8.58
CIE LCh	48, 9.120, 250.129
Yxy	16.7945, 0.2800, 0.3047
Android (android.graphics.Color)	4284773504 (0xFF647480)
YUV	112.5840, 7.6001, -11.0362
Hunter-Lab	40.9810, -4.5065, -4.4304

Details

The CIELCh color **48, 9.120, 250.129** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 9.890, 64.989**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 9.253, 250.007**, and **28, 9.065, 250.961** is the 20% darker color. If you saturate the color by 10%, you get **45, 13.110, 251.801**, and if you desaturate by 10%, it is **51, 5.006, 248.742**.

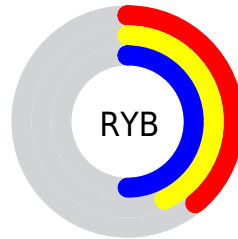
Distribution



Red (39%)

Green (45%)

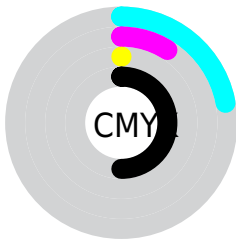
Blue (50%)



Red (39%)

Yellow (43%)

Blue (50%)

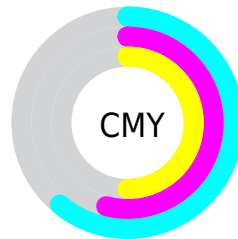


Cyan (22%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (61%)













Magenta (54%)







Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.120, 250.129 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, 9.120, 250.129 by changing the saturation by 10% instead.

 48, 9.120, 250.129	 48, 9.120, 250.129
 100, 9.120, 250.129	 38, 9.120, 250.129
 68, 9.120, 250.129	 28, 9.120, 250.129
 78, 9.120, 250.129	 18, 9.120, 250.129
 88, 9.120, 250.129	 8, 9.120, 250.129
 98, 9.120, 250.129	 0, 9.120, 250.129

 48, 9.120, 250.129	 48, 9.120, 250.129
 45, 13.110, 251.801	 51, 5.006, 248.742
 43, 16.953,	 53, 0.795, 247.886

253.824

56, 3.489, 66.423

41, 20.629,
256.253

58, 7.824, 65.631

38, 24.130,
259.150

61, 12.192, 64.929

36, 27.470,
262.562

64, 16.577, 64.319

34, 30.686,
266.498

69, 25.349, 63.326

32, 33.849,
270.904

72, 29.718, 62.919

30, 36.503,
274.444

Harmonies

Complementary

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



48, 9.120, 250.129



48, 9.890, 64.989

Rectangle

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



48, 9.120, 250.129



48, 9.120, 300.129



48, 9.120, 70.129



48, 9.120, 120.129

Sweetspot

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



48, 9.119, 250.123



66, 3.667, 248.202



51, 14.711, 157.687



34, 2.400, 248.250



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, 9.119, 250.123



60, 13.307, 250.879



44, 15.398, 289.129



26, 2.377, 248.414



30, 36.362, 274.418



0, 0.000, 0.000

Inverse Universe

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



46, 14.846, 341.694



56, 21.848, 342.117



52, 14.797, 104.414



25, 3.774, 340.626



27, 51.937, 354.234



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 9.120, 250.129 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, 9.120, 250.129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

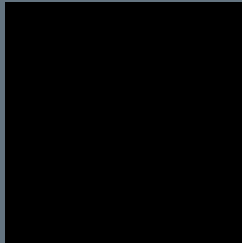
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

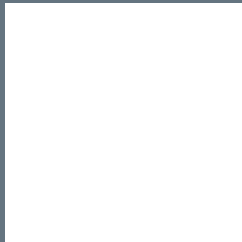
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 9.120, 250.129

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.120, 250.129.

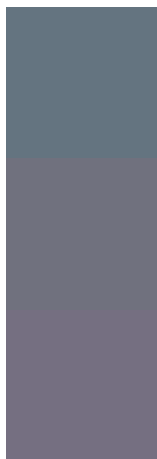


This preview shows how white text looks on a background with the CIELCh color 48, 9.120, 250.129.

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

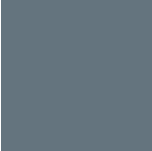
48, 9.120, 250.129

Protanopia

48, 7.675, 288.322

Deuteranopia

48, 10.922, 303.817



Tritanopia
48, 8.303, 244.417

Trichromacy



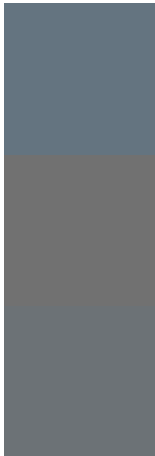
Original Color
48, 9.120, 250.129

Protanomaly
48, 7.951, 274.453

Deuteranomaly
48, 9.457, 286.814

Tritanomaly
48, 8.701, 247.403

Monochromacy



Original Color
48, 9.120, 250.129

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.312, 244.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.120, 250.129 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(100, 116, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 116, 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(100, 116, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 116, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.120, 250.129 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(100, 116, 128) }
```

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

```
.border{ border-color:rgb(100, 116, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 116, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 116, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 116, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 116,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.120, 250.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 116, 128) }
```

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

```
.background{ background-color: rgb(100,  
116, 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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