

Converting Colors

CIELCh(50, 15.263, 223.377)

Have a look what the booklet for
CIELCh(50, 15.263, 223.377)
contains.

CIELCh(50, 15.109, 223.541)	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, 15.109, 223.541)

Conversions

Conversions Part 1

Format	Color
Hex	557D88
RGB	85, 125, 136
RGB Percent	33%, 49%, 53%
CMY	0.6662, 0.5093, 0.4661
CMYK	0.37, 0.08, 0.00, 0.47
HSL	193°, 23%, 43%
HSV	193°, 37%, 53%
XYZ	15.5613, 18.4187, 26.0764
YIQ	114.2940, -27.3710, -5.0590

Conversions

Conversions Part 2

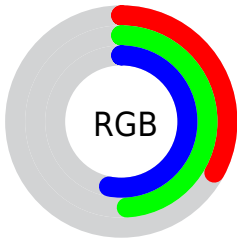
Format	Color
RYP	85, 107, 136
Decimal	5602696
CIELab	50.00, -10.95, -10.41
CIElCh	50, 15.109, 223.541
Yxy	18.4187, 0.2591, 0.3067
Android (android.graphics.Color)	4283792776 (0xFF557D88)
YUV	114.2940, 10.7011, -25.6908
Hunter-Lab	42.9170, -10.3822, -5.9829

Details

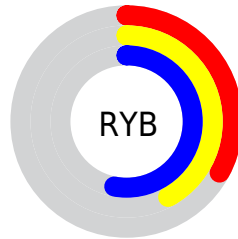
The CIELCh color **50, 15.109, 223.541** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **45, 19.486, 40.861**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 15.018, 222.197**, and **30, 15.111, 222.941** is the 20% darker color. If you saturate the color by 10%, you get **48, 18.345, 224.670**, and if you desaturate by 10%, it is **52, 11.481, 222.688**.

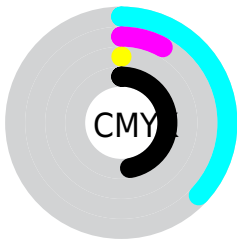
Distribution



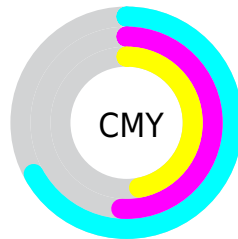
- Red (33%)
- Green (49%)
- Blue (53%)



- Red (33%)
- Yellow (42%)
- Blue (53%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (47%)





- Cyan (67%)
- Magenta (51%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.109, 223.541 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, 15.109, 223.541 by changing the saturation by 10% instead.


 50, 15.109,
223.541


 50, 15.109,
223.541


 100, 15.109,
223.541


 40, 15.109,
223.541


 70, 15.109,
223.541

 30, 15.109,
223.541


 80, 15.109,
223.541


 20, 15.109,
223.541

 90, 15.109,
223.541

 10, 15.109,
223.541

 0, 15.109, 223.541

 50, 15.109,
223.541

 50, 15.109,
223.541

■ 48, 18.345,
224.670

■ 52, 11.481,
222.688

■ 47, 21.134,
226.150

■ 53, 7.524, 222.071

■ 45, 23.433,
228.053

■ 55, 3.298, 221.682

■ 57, 1.141, 40.884

■ 44, 25.225,
230.458

■ 59, 5.746, 40.957

■ 43, 26.531,
233.439

■ 61, 10.474, 40.863

■ 63, 15.292, 40.813

■ 42, 27.476,
236.943

■ 65, 20.171, 40.809

■ 42, 27.718,
237.825

■ 68, 25.088, 40.840

Harmonies

Complementary

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



50, 15.109, 223.541



45, 19.486, 40.861

Rectangle

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



50, 15.109, 223.541



50, 15.109, 273.541



50, 15.109, 43.541



50, 15.109, 93.541

Sweetspot

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



50, 15.109, 223.538



69, 5.940, 221.796



52, 31.088, 147.631



36, 4.011, 221.840



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 15.109, 223.538



62, 21.593, 224.481



43, 21.930, 279.480



28, 2.507, 221.727



41, 27.186, 237.712



1, 1.189, 221.326

Inverse Universe

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



43, 30.868, 333.482



52, 45.280, 334.080



51, 21.762, 89.080



27, 4.683, 331.608



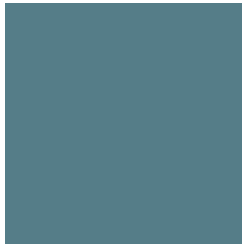
29, 60.455, 338.763



0, 2.159, 331.080

Previews

White Background



This preview shows how the CIELCh color 50, 15.109, 223.541 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 CIE LCh color 50, 15.109, 223.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

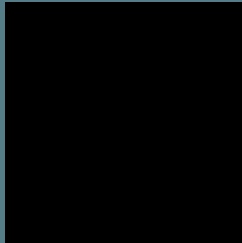
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.109, 223.541

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.109, 223.541.



This preview shows how white text looks on a background with the CIELCh color 50, 15.109, 223.541.

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, 15.109, 223.541

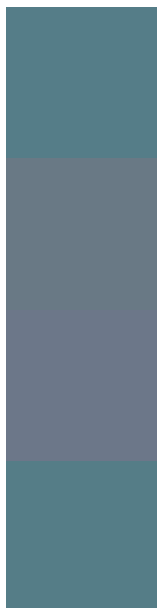
Protanopia
50, 7.616, 288.279

Deuteranopia
50, 13.070, 300.132



Tritanopia
50, 14.946, 221.335

Trichromacy



Original Color
50, 15.109, 223.541

Protanomaly
50, 9.066, 250.016

Deuteranomaly
50, 11.186, 270.264

Tritanomaly
50, 14.946, 221.335

Monochromacy



Original Color
50, 15.109, 223.541

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.839, 222.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.109, 223.541 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(85, 125, 136)` looks like.

```
.text, #text, p{  
    color:rgb(85, 125, 136)  
}
```

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(85, 125, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 125, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.109, 223.541 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(85, 125, 136) }
```

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

```
.border{ border-color:rgb(85, 125, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 125, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 125, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 125, 136);  
box-shadow:4px 4px 4px 4px rgb(85, 125,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.109, 223.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 125, 136) }
```

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

```
.background{ background-color: rgb(85, 125,  
136) }
```

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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