

Converting Colors

CIELCh(50, 15.328, 224.572)

Have a look what the booklet for
CIELCh(50, 15.328, 224.572)
contains.

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Color

CIELCh(50, 15.293, 225.697)

Conversions

Conversions Part 1

Format	Color
Hex	557D89
RGB	85, 125, 137
RGB Percent	33%, 49%, 54%
CMY	0.6665, 0.5096, 0.4626
CMYK	0.38, 0.09, 0.00, 0.46
HSL	194°, 23%, 44%
HSV	194°, 38%, 54%
XYZ	15.6076, 18.4187, 26.4157
YIQ	114.4080, -27.6920, -4.7480

Conversions

Conversions Part 2

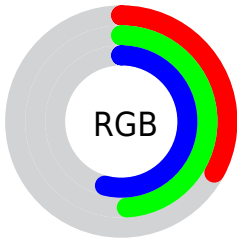
Format	Color
R _Y B	85, 108, 137
Decimal	5602697
CIE Lab	50.00, -10.68, -10.94
CIE LCh	50, 15.293, 225.697
Yxy	18.4187, 0.2582, 0.3047
Android (android.graphics.Color)	4283792777 (0xFF557D89)
YUV	114.4080, 11.1379, -25.7908
Hunter-Lab	42.9170, -10.1898, -6.4516

Details

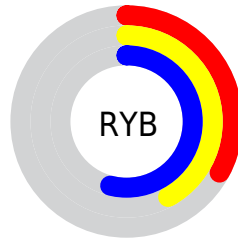
The CIELCh color `50, 15.293, 225.697` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `45, 19.725, 42.357`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `70, 15.191, 224.207`, and `30, 15.274, 225.394` is the 20% darker color. If you saturate the color by 10%, you get `48, 18.534, 226.959`, and if you desaturate by 10%, it is `52, 11.668, 224.731`.

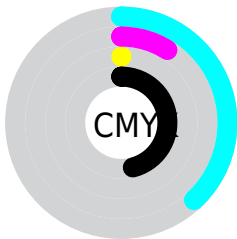
Distribution



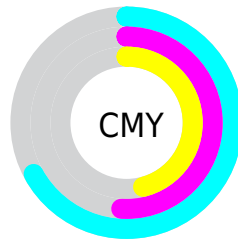
- Red (33%)
- Green (49%)
- Blue (54%)



- Red (33%)
- Yellow (42%)
- Blue (54%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (46%)





- Cyan (67%)
- Magenta (51%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.293, 225.697 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, 15.293, 225.697 by changing the saturation by 10% instead.


 50, 15.293,
225.697


 50, 15.293,
225.697


 100, 15.293,
225.697


 40, 15.293,
225.697


 70, 15.293,
225.697

 30, 15.293,
225.697


 80, 15.293,
225.697


 20, 15.293,
225.697

 90, 15.293,
225.697

 10, 15.293,
225.697

 0, 15.293, 225.697

 50, 15.293,
225.697

 50, 15.293,
225.697

48, 18.534,
226.959

52, 11.668,
224.731

47, 21.337,
228.596

54, 7.718, 224.016

45, 23.663,
230.682

56, 3.503, 223.536

58, 0.923, 42.588

44, 25.500,
233.301

60, 5.512, 42.675

43, 26.876,
236.525

62, 10.224, 42.523

64, 15.026, 42.420

41, 27.930,
240.264

66, 19.888, 42.365

41, 28.153,
241.022

68, 24.789, 42.351

Harmonies

Complementary

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



50, 15.293, 225.697



45, 19.725, 42.357

Rectangle

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



50, 15.293, 225.697



50, 15.293, 275.697



50, 15.293, 45.697



50, 15.293, 95.697

Sweetspot

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



50, 15.293, 225.694



70, 5.972, 223.663



53, 31.259, 148.142



36, 3.986, 223.716



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, 15.293, 225.694



62, 22.157, 226.827



42, 22.823, 280.739



28, 2.491, 223.578



40, 27.472, 240.872



1, 1.181, 223.114

Inverse Universe

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



43, 31.101, 334.107



52, 46.281, 334.768



52, 22.483, 90.286



27, 4.633, 332.159



29, 59.813, 339.687



0, 2.136, 331.624

Previews

White Background



This preview shows how the CIELCh color 50, 15.293, 225.697 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, 15.293, 225.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

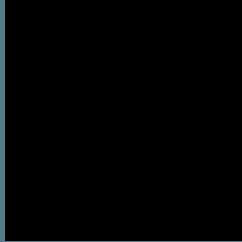
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 15.293, 225.697

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.293, 225.697.

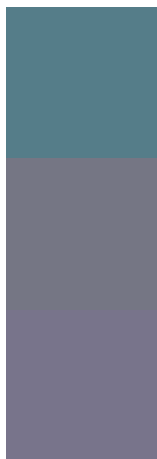


This preview shows how white text looks on a background with the CIELCh color 50, 15.293, 225.697.

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, 15.293, 225.697

Protanopia

50, 8.200, 288.568

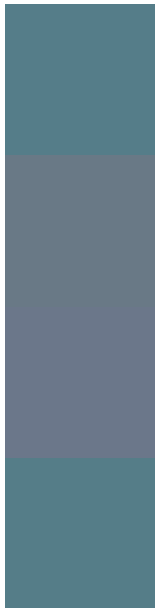
Deuteranopia

50, 13.599, 298.247



Tritanopia
50, 14.946, 221.335

Trichromacy



Original Color
50, 15.293, 225.697

Protanomaly
50, 9.499, 252.497

Deuteranomaly
50, 11.843, 269.800

Tritanomaly
50, 15.109, 223.541

Monochromacy



Original Color
50, 15.293, 225.697

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 6.181, 221.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.293, 225.697 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(85, 125, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 125, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.293, 225.697 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, 137) }
```

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

```
.border{ border-color:rgb(85, 125, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(85, 125, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(85, 125, 137); box-shadow:4px 4px 4px 4px rgb(85, 125, 137) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.293, 225.697 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, 137) }
```

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

```
.background{ background-color: rgb(85, 125,  
137) }
```

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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