

Converting Colors

CIELCh(50, 16.163, 240.407)

Have a look what the booklet for
CIELCh(50, 16.163, 240.407)
contains.

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Color

CIELCh(50, 16.109, 239.555)

Conversions

Conversions Part 1

Format	Color
Hex	577C8E
RGB	87, 124, 142
RGB Percent	34%, 49%, 56%
CMY	0.6585, 0.5134, 0.4428
CMYK	0.39, 0.13, 0.00, 0.44
HSL	200°, 24%, 45%
HSV	200°, 39%, 56%
XYZ	16.0423, 18.4187, 28.3301
YIQ	114.9890, -27.8300, -2.2460

Conversions

Conversions Part 2

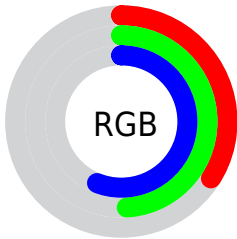
Format	Color
R_{YB}	87, 109, 142
Decimal	5733518
CIE _{Lab}	50.00, -8.16, -13.89
CIE _{LCh}	50, 16.109, 239.555
Yxy	18.4187, 0.2555, 0.2933
Android (android.graphics.Color)	4283923598 (0xFF577C8E)
YUV	114.9890, 13.3164, -24.5464
Hunter-Lab	42.9170, -8.3817, -9.0963

Details

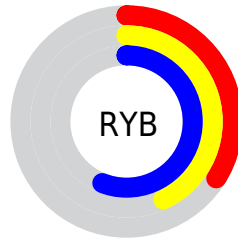
The CIELCh color `50, 16.109, 239.555` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `48, 20.080, 52.340`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `70, 16.150, 238.967`, and `30, 16.204, 240.695` is the 20% darker color. If you saturate the color by 10%, you get `48, 19.636, 241.507`, and if you desaturate by 10%, it is `52, 12.279, 237.982`.

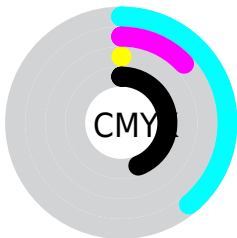
Distribution



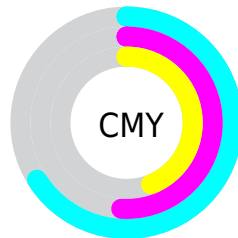
- Red (34%)
- Green (49%)
- Blue (56%)



- Red (34%)
- Yellow (43%)
- Blue (56%)



- Cyan (39%)
- Magenta (13%)
- Yellow (0%)
- Black (44%)





- Cyan (66%)
- Magenta (51%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.109, 239.555 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, 16.109, 239.555 by changing the saturation by 10% instead.


 50, 16.109,
239.555


 50, 16.109,
239.555


 100, 16.109,
239.555


 40, 16.109,
239.555


 70, 16.109,
239.555

 30, 16.109,
239.555


 80, 16.109,
239.555


 20, 16.109,
239.555

 90, 16.109,
239.555

 10, 16.109,
239.555

 0, 16.109, 239.555

 50, 16.109,
239.555

 50, 16.109,
239.555

48, 19.636,
241.507

52, 12.279,
237.982

46, 22.826,
243.926

55, 8.191, 236.731

44, 25.663,
246.888

57, 3.890, 235.763

59, 0.581, 54.189

42, 28.164,
250.460

62, 5.182, 54.110

40, 30.386,
254.664

64, 9.881, 53.609

67, 14.649, 53.185

38, 32.489,
259.272

69, 19.464, 52.835

38, 32.773,
259.840

72, 24.307, 52.546

Harmonies

Complementary

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



50, 16.109, 239.555



48, 20.080, 52.340

Rectangle

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



50, 16.109, 239.555



50, 16.109, 289.555



50, 16.109, 59.555



50, 16.109, 109.555

Sweetspot

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



50, 16.108, 239.552



71, 6.561, 236.071



54, 30.415, 151.709



37, 4.327, 236.174



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 16.108, 239.552



62, 22.994, 241.133



42, 27.214, 286.980



29, 2.529, 235.802



36, 31.525, 259.579



1, 1.737, 234.957

Inverse Universe

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



44, 30.600, 338.310



53, 44.419, 339.052



55, 25.831, 97.030



28, 4.457, 335.996



29, 56.916, 346.311



1, 2.987, 335.407

Previews

White Background



This preview shows how the CIE LCh color 50, 16.109, 239.555 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, 16.109, 239.555 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, 16.109, 239.555

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.109, 239.555.



This preview shows how white text looks on a background with the CIELCh color 50, 16.109, 239.555.

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, 16.109, 239.555

Protanopia

50, 11.738, 286.217

Deuteranopia

50, 16.432, 293.562



Tritanopia
50, 14.946, 221.335

Trichromacy



Original Color
50, 16.109, 239.555

Protanomaly
50, 12.227, 265.094

Deuteranomaly
50, 14.663, 273.423

Tritanomaly
50, 15.235, 228.382

Monochromacy



Original Color
50, 16.109, 239.555

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 6.372, 239.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.109, 239.555 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(87, 124, 142)` looks like.

```
.text, #text, p{  
  color:rgb(87, 124, 142)  
}
```

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(87, 124, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 124, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.109, 239.555 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(87, 124, 142) }
```

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

```
.border{ border-color:rgb(87, 124, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 124, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 124, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 124, 142);  
box-shadow:4px 4px 4px 4px rgb(87, 124,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.109, 239.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 124, 142) }
```

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

```
.background{ background-color: rgb(87, 124,  
142) }
```

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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