

Converting Colors

CIELCh(48, 58.668, 300.931)

Have a look what the booklet for
CIELCh(48, 58.668, 300.931)
contains.

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Color

CIELCh(48, 58.902, 300.801)

Conversions

Conversions Part 1

Format	Color
Hex	7164C8
RGB	113, 100, 200
RGB Percent	44%, 39%, 78%
CMY	0.5569, 0.6078, 0.2157
CMYK	0.43, 0.50, 0.00, 0.22
HSL	248°, 48%, 59%
HSV	248°, 50%, 78%
XYZ	21.7917, 16.7945, 56.7351
YIQ	115.2870, -24.3520, 33.8560

Conversions

Conversions Part 2

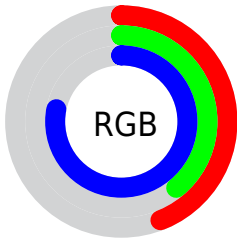
Format	Color
R _Y B	113, 100, 200
Decimal	7431368
CIE Lab	48.00, 30.16, -50.59
CIE LCh	48, 58.902, 300.801
Yxy	16.7945, 0.2286, 0.1762
Android (android.graphics.Color)	4285621448 (0xFF7164C8)
YUV	115.2870, 41.7635, -2.0057
Hunter-Lab	40.9810, 23.2009, -53.3958

Details

The CIELCh color `48, 58.902, 300.801` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `78, 51.635, 111.522`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 57.663, 300.876`, and `28, 58.710, 300.822` is the 20% darker color. If you saturate the color by 10%, you get `42, 71.782, 302.328`, and if you desaturate by 10%, it is `54, 46.250, 299.391`.

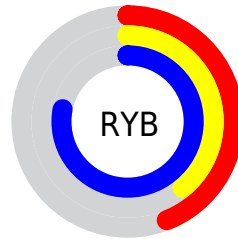
Distribution



Red (44%)

Green (39%)

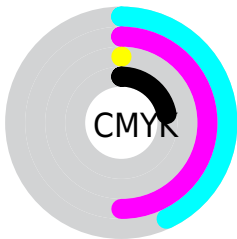
Blue (78%)



Red (44%)

Yellow (39%)

Blue (78%)

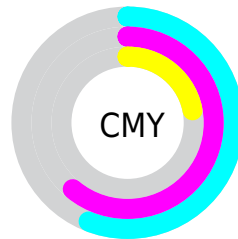


Cyan (43%)

Magenta (50%)

Yellow (0%)

Black (22%)



Cyan (56%)


Magenta (61%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 58.902, 300.801 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, 58.902, 300.801 by changing the saturation by 10% instead.


 48, 58.902,
300.801


 48, 58.902,
300.801


 100, 58.902,
300.801


 38, 58.902,
300.801

 68, 58.902,
300.801


 28, 58.902,
300.801

 78, 58.902,
300.801

 18, 58.902,
300.801

 88, 58.902,
300.801

 8, 58.902, 300.801

 98, 58.902,
300.801

 0, 58.902, 300.801

 48, 58.902,

 48, 58.902,

300.801

300.801

■ 42, 71.782,
302.328

■ 54, 46.250,
299.391

■ 36, 84.453,
303.877

■ 61, 34.005,
298.136

■ 31, 96.013,
305.270

■ 68, 22.221,
297.040

■ 27, 105.024,
306.252

■ 74, 10.896,
296.095

■ 25, 110.627,
306.742


■ 81, 0.010, 296.823

■ 25, 110.627,
306.742

■ 87, 10.465,
114.583

■ 94, 20.556,
113.987

■ 99, 27.763,
110.251

 99, 27.735,
108.071

Harmonies

Complementary

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



48, 58.902, 300.801



78, 51.635, 111.522

Rectangle

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



48, 58.902, 300.801



48, 58.902, 350.801



48, 58.902, 120.801



48, 58.902, 170.801

Sweetspot

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



48, 58.901, 300.802



88, 20.108, 296.570



72, 27.262, 211.091



45, 13.776, 296.776



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 58.901, 300.802



53, 87.525, 302.463



53, 60.393, 315.211



38, 6.144, 296.040



19, 95.022, 306.814



1, 21.590, 295.172

Inverse Universe

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



57, 58.553, 331.208



67, 82.894, 331.859



75, 57.377, 130.687



39, 6.750, 328.725



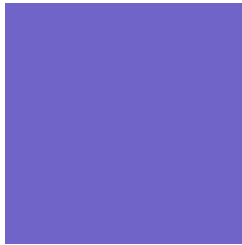
37, 74.816, 334.127



4, 23.887, 331.805

Previews

White Background



This preview shows how the CIELCh color 48, 58.902, 300.801 looks on a white background.

Color Contrast Check

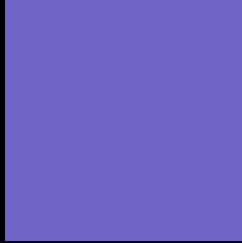
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.902, 300.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

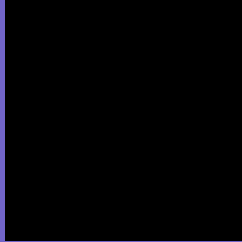
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 58.902, 300.801

Background



This preview shows how black text looks on a background with the CIELCh color 48, 58.902, 300.801.



This preview shows how white text looks on a background with the CIELCh color 48, 58.902, 300.801.

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, 58.902, 300.801

Protanopia

48, 59.568, 287.249

Deuteranopia

48, 49.366, 278.888



Tritanopia
48, 10.178, 230.188

Trichromacy



Original Color
48, 58.902, 300.801

Protanomaly
48, 59.378, 291.606

Deuteranomaly
48, 52.080, 286.314

Tritanomaly
48, 25.507, 285.938

Monochromacy



Original Color
48, 58.902, 300.801

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 21.350, 296.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 58.902, 300.801 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(113, 100, 200)` looks like.

```
.text, #text, p{  
    color:rgb(113, 100, 200)  
}
```

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(113, 100, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 100, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 58.902, 300.801 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(113, 100, 200) }
```

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

```
.border{ border-color:rgb(113, 100, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 100, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 100, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 100, 200);  
box-shadow:4px 4px 4px 4px rgb(113, 100,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 58.902, 300.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 100, 200) }
```

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

```
.background{ background-color: rgb(113,  
100, 200) }
```

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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