

Converting Colors

CIELCh(49, 28.661, 293.825)

Have a look what the booklet for
CIELCh(49, 28.661, 293.825)
contains.

CIELCh(49, 28.815, 293.848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 28.815, 293.848)

Conversions

Conversions Part 1

Format	Color
Hex	7070A1
RGB	112, 112, 161
RGB Percent	44%, 44%, 63%
CMY	0.5609, 0.5609, 0.3688
CMYK	0.30, 0.30, 0.00, 0.37
HSL	240°, 21%, 54%
HSV	240°, 30%, 63%
XYZ	18.8967, 17.5941, 36.0996
YIQ	117.5860, -15.7290, 15.2390

Conversions

Conversions Part 2

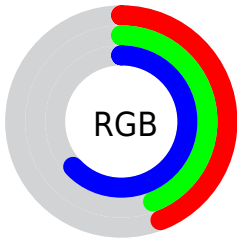
Format	Color
R_{YB}	112, 112, 161
Decimal	7368865
CIE _{Lab}	49.00, 11.65, -26.35
CIE _{LCh}	49, 28.815, 293.848
Yxy	17.5941, 0.2603, 0.2424
Android (android.graphics.Color)	4285558945 (0xFF7070A1)
YUV	117.5860, 21.4031, -4.8989
Hunter-Lab	41.9453, 7.0114, -21.6654

Details

The CIELCh color `49, 28.815, 293.848` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `65, 26.800, 107.294`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 28.608, 293.655`, and `29, 28.967, 294.081` is the 20% darker color. If you saturate the color by 10%, you get `43, 39.096, 295.489`, and if you desaturate by 10%, it is `55, 18.952, 292.440`.

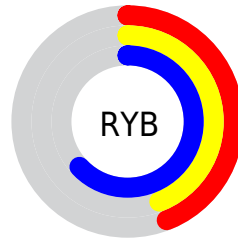
Distribution



Red (44%)

Green (44%)

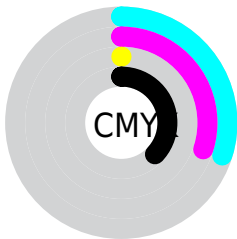
Blue (63%)



Red (44%)

Yellow (44%)

Blue (63%)

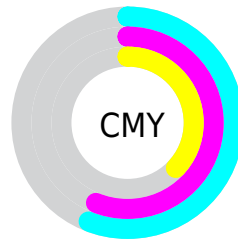


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (37%)



Cyan (56%)

Magenta (56%)

Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.815, 293.848 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 49, 28.815, 293.848 by changing the saturation by 10% instead.

 49, 28.815,
293.848

 49, 28.815,
293.848

 100, 28.815,
293.848

 39, 28.815,
293.848

 69, 28.815,
293.848

 29, 28.815,
293.848


 79, 28.815,
293.848

 19, 28.815,
293.848

 89, 28.815,
293.848

 9, 28.815, 293.848

 99, 28.815,
293.848

 0, 28.815, 293.848

 49, 28.815,

 49, 28.815,

293.848

43, 39.096,
295.489

38, 49.784,
297.371

32, 60.767,
299.457

27, 71.702,
301.634

23, 81.797,
303.678

20, 89.704,
305.267

18, 94.857,
306.287

293.848

55, 18.952,
292.440

60, 9.490, 291.243

66, 0.400, 290.355

72, 8.346, 109.344

77, 16.775,
108.607

83, 24.907,
107.974

88, 32.764,
107.428

93, 40.364,
106.957

98, 46.900,

Harmonies

Complementary

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



49, 28.815, 293.848



65, 26.800, 107.294

Rectangle

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



49, 28.815, 293.848



49, 28.815, 343.848



49, 28.815, 113.848



49, 28.815, 163.848

Sweetspot

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



49, 28.814, 293.848



78, 10.099, 291.105



63, 17.133, 196.382



40, 7.022, 291.255



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



49, 28.814, 293.848



58, 44.007, 295.015



51, 29.926, 309.968



31, 5.189, 291.117



16, 88.024, 306.287



0, 7.946, 290.177

Inverse Universe

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



52, 20.931, 21.889



63, 32.299, 22.843



63, 28.656, 127.083



32, 3.629, 19.901



30, 68.062, 39.263



1, 5.464, 19.403

Previews

White Background



This preview shows how the CIELCh color 49, 28.815, 293.848 looks on a white background.

Color Contrast Check

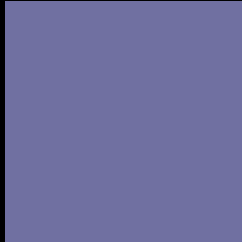
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 28.815, 293.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

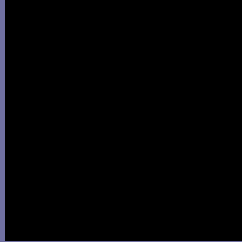
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.815, 293.848

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.815, 293.848.



This preview shows how white text looks on a background with the CIELCh color 49, 28.815, 293.848.

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

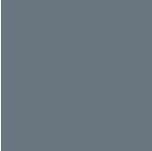
49, 28.815, 293.848

Protanopia

49, 28.372, 284.532

Deuteranopia

49, 26.616, 284.272



Tritanopia
49, 7.558, 250.310

Trichromacy



Original Color
49, 28.815, 293.848

Protanomaly
49, 28.249, 287.739

Deuteranomaly
49, 27.068, 287.972

Tritanomaly
49, 14.318, 280.280

Monochromacy



Original Color
49, 28.815, 293.848

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 10.568, 291.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.815, 293.848 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(112, 112, 161)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 161)  
}
```

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(112, 112, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.815, 293.848 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(112, 112, 161) }
```

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

```
.border{ border-color:rgb(112, 112, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 161);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.815, 293.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 161) }
```

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

```
.background{ background-color: rgb(112,  
112, 161) }
```

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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