

Converting Colors

CIELCh(48, 43.157, 295.610)

Have a look what the booklet for
CIELCh(48, 43.157, 295.610)
contains.

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Color

CIELCh(48, 42.992, 295.572)

Conversions

Conversions Part 1

Format	Color
Hex	6B6BB4
RGB	107, 107, 180
RGB Percent	42%, 42%, 71%
CMY	0.5823, 0.5821, 0.2960
CMYK	0.41, 0.41, 0.00, 0.30
HSL	240°, 33%, 56%
HSV	240°, 41%, 70%
XYZ	19.4056, 16.7945, 45.1363
YIQ	115.3220, -23.4330, 22.7030

Conversions

Conversions Part 2

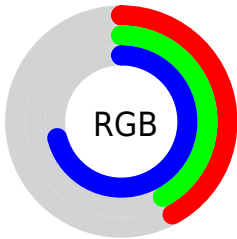
Format	Color
R _Y B	107, 107, 180
Decimal	7039924
CIE Lab	48.00, 18.56, -38.78
CIE LCh	48, 42.992, 295.572
Yxy	16.7945, 0.2386, 0.2065
Android (android.graphics.Color)	4285230004 (0xFF6B6BB4)
YUV	115.3220, 31.8863, -7.2984
Hunter-Lab	40.9810, 12.8077, -36.6149

Details

The CIELCh color $48, 42.992, 295.572$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $72, 38.738, 106.300$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 43.040, 295.606$, and $28, 43.076, 295.523$ is the 20% darker color. If you saturate the color by 10%, you get $42, 54.692, 297.484$, and if you desaturate by 10%, it is $54, 31.735, 293.904$.

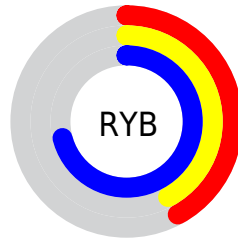
Distribution



Red (42%)

Green (42%)

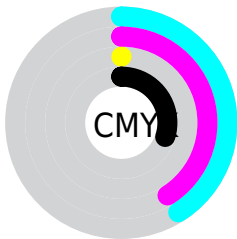
Blue (71%)



Red (42%)

Yellow (42%)

Blue (71%)

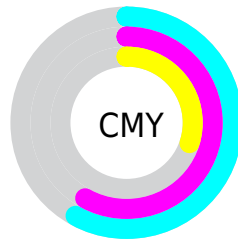


Cyan (41%)

Magenta (41%)

Yellow (0%)

Black (30%)



Cyan (58%)


Magenta (58%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 42.992, 295.572 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, 42.992, 295.572 by changing the saturation by 10% instead.


 48, 42.992,
295.572


 48, 42.992,
295.572


 100, 42.992,
295.572


 38, 42.992,
295.572

 68, 42.992,
295.572

 28, 42.992,
295.572

 78, 42.992,
295.572

 18, 42.992,
295.572

 88, 42.992,
295.572

 8, 42.992, 295.572

 98, 42.992,
295.572

 0, 42.992, 295.572

 48, 42.992,

 48, 42.992,

295.572

42, 54.692,
297.484

36, 66.704,
299.599

31, 78.620,
301.795

26, 89.516,
303.832

23, 97.855,
305.379

21, 102.799,
306.282

295.572

54, 31.735,
293.904

60, 20.942,
292.474

67, 10.590,
291.260

73, 0.649, 290.314

79, 8.913, 109.338

85, 18.125,
108.593

91, 27.011,
107.954

97, 35.593,
107.405

 98, 37.888,
107.288

Harmonies

Complementary

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



48, 42.992, 295.572



72, 38.738, 106.300

Rectangle

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



48, 42.992, 295.572



48, 42.992, 345.572



48, 42.992, 115.572



48, 42.992, 165.572

Sweetspot

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



48, 42.991, 295.572



84, 14.867, 291.435



69, 23.951, 195.876



43, 9.878, 291.583



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 42.991, 295.572



55, 65.653, 297.321



51, 44.166, 310.550



34, 5.587, 291.113



17, 91.367, 306.280



1, 13.312, 290.164

Inverse Universe

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



53, 31.693, 23.309



64, 48.834, 24.960



69, 41.578, 126.585



35, 3.911, 19.875



31, 70.913, 39.508



2, 9.156, 19.376

Previews

White Background



This preview shows how the CIELCh color 48, 42.992, 295.572 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, 42.992, 295.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

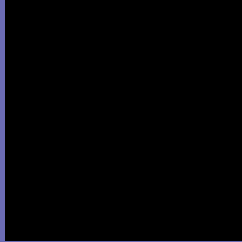
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 42.992, 295.572

Background



This preview shows how black text looks on a background with the CIELCh color 48, 42.992, 295.572.

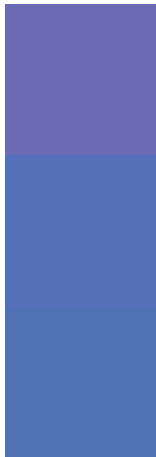


This preview shows how white text looks on a background with the CIELCh color 48, 42.992, 295.572.

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, 42.992, 295.572

Protanopia

48, 43.219, 285.971

Deuteranopia

48, 38.339, 280.460



Tritanopia
48, 10.178, 230.188

Trichromacy



Original Color
48, 42.992, 295.572

Protanomaly
48, 43.063, 289.475

Deuteranomaly
48, 40.223, 286.545

Tritanomaly
48, 19.387, 277.096

Monochromacy



Original Color
48, 42.992, 295.572

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 15.347, 292.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 42.992, 295.572 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(107, 107, 180)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 180)  
}
```

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(107, 107, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 42.992, 295.572 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(107, 107, 180) }
```

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

```
.border{ border-color:rgb(107, 107, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 107, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 107, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 107, 180);  
box-shadow:4px 4px 4px 4px rgb(107, 107,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 42.992, 295.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 180) }
```

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

```
.background{ background-color: rgb(107,  
107, 180) }
```

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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