

Converting Colors

CIELCh(48, 40.048, 294.356)

Have a look what the booklet for
CIELCh(48, 40.048, 294.356)
contains.

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Color

CIELCh(48, 40.048, 294.356)

Conversions

Conversions Part 1

Format	Color
Hex	6A6CB0
RGB	106, 108, 176
RGB Percent	42%, 42%, 69%
CMY	0.5860, 0.5781, 0.3116
CMYK	0.40, 0.39, 0.00, 0.31
HSL	238°, 31%, 55%
HSV	238°, 40%, 69%
XYZ	19.0048, 16.7945, 43.0826
YIQ	115.1540, -23.0200, 20.7240

Conversions

Conversions Part 2

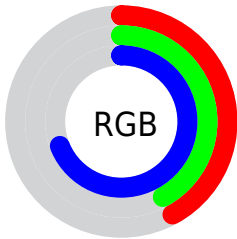
Format	Color
R _Y B	106, 108, 176
Decimal	6974640
CIE Lab	48.00, 16.52, -36.48
CIE LCh	48, 40.048, 294.356
Yxy	16.7945, 0.2409, 0.2129
Android (android.graphics.Color)	4285164720 (0xFF6A6CB0)
YUV	115.1540, 29.9971, -8.0281
Hunter-Lab	40.9810, 11.0618, -33.6437

Details

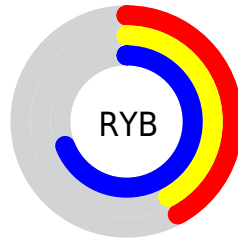
The CIELCh color `48, 40.048, 294.356` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `70, 36.387, 105.109`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `68, 40.260, 294.567`, and `28, 39.906, 294.377` is the 20% darker color. If you saturate the color by 10%, you get `42, 51.140, 296.282`, and if you desaturate by 10%, it is `54, 29.385, 292.683`.

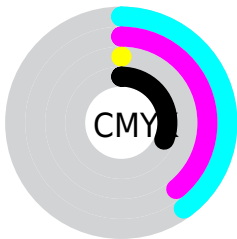
Distribution



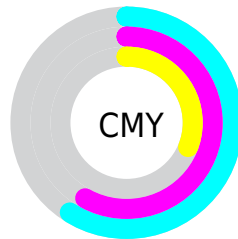
- Red (42%)
- Green (42%)
- Blue (69%)



- Red (42%)
- Yellow (42%)
- Blue (69%)



- Cyan (40%)
- Magenta (39%)
- Yellow (0%)
- Black (31%)




- Cyan (59%)
- Magenta (58%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 40.048, 294.356 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, 40.048, 294.356 by changing the saturation by 10% instead.


 48, 40.048,
294.356


 48, 40.048,
294.356


 100, 40.048,
294.356


 38, 40.048,
294.356

 68, 40.048,
294.356


 28, 40.048,
294.356

 78, 40.048,
294.356

 18, 40.048,
294.356

 88, 40.048,
294.356

 8, 40.048, 294.356

 98, 40.048,
294.356

 0, 40.048, 294.356

 48, 40.048,

 48, 40.048,

294.356

42, 51.140,
296.282

36, 62.583,
298.434

31, 74.090,
300.717

27, 84.964,
302.928

23, 93.930,
304.760

21, 99.713,
305.904

21, 99.780,
305.917

294.356

54, 29.385,
292.683

60, 19.154,
291.252

66, 9.330, 290.035

72, 0.117, 108.406

78, 9.218, 108.098

83, 17.996,
107.346

89, 26.475,
106.697

95, 34.673,
106.137

98, 39.826,

Harmonies

Complementary

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



48, 40.048, 294.356



70, 36.387, 105.109

Rectangle

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



48, 40.048, 294.356



48, 40.048, 344.356



48, 40.048, 114.356



48, 40.048, 164.356

Sweetspot

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



48, 40.047, 294.356



81, 14.048, 290.302



67, 23.278, 194.308



42, 9.416, 290.451



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



48, 40.047, 294.356



55, 60.531, 296.069



50, 42.411, 309.967



34, 5.296, 289.972



17, 88.819, 305.841



1, 11.078, 289.225

Inverse Universe

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



52, 30.233, 21.063



62, 46.017, 22.683



68, 39.890, 126.017



34, 3.817, 17.564



31, 68.928, 38.285



2, 7.810, 17.439

Previews

White Background



This preview shows how the CIE LCh color 48, 40.048, 294.356 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, 40.048, 294.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

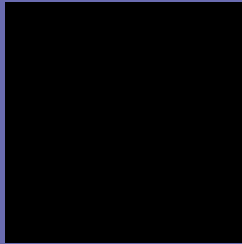
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 40.048, 294.356

Background



This preview shows how black text looks on a background with the CIELCh color 48, 40.048, 294.356.

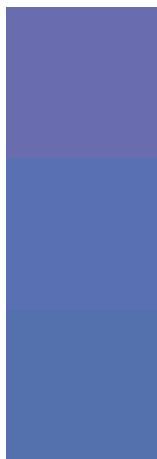


This preview shows how white text looks on a background with the CIELCh color 48, 40.048, 294.356.

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, 40.048, 294.356

Protanopia

48, 39.665, 285.497

Deuteranopia

48, 36.483, 281.376



Tritanopia
48, 10.178, 230.188

Trichromacy



Original Color
48, 40.048, 294.356

Protanomaly
48, 40.114, 288.901

Deuteranomaly
48, 37.880, 286.403

Tritanomaly
48, 18.911, 275.504

Monochromacy



Original Color
48, 40.048, 294.356

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 14.759, 292.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 40.048, 294.356 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(106, 108, 176)` looks like.

```
.text, #text, p{  
    color:rgb(106, 108, 176)  
}
```

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(106, 108, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 108, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 40.048, 294.356 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(106, 108, 176) }
```

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

```
.border{ border-color:rgb(106, 108, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 108, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 108, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 108, 176);  
box-shadow:4px 4px 4px 4px rgb(106, 108,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 40.048, 294.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 108, 176) }
```

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

```
.background{ background-color: rgb(106,  
108, 176) }
```

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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