

Converting Colors

CIELCh(48, 37.383, 313.049)

Have a look what the booklet for
CIELCh(48, 37.383, 313.049)
contains.

CIELCh(48, 37.401, 313.050)	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(48, 37.401, 313.050)

Conversions

Conversions Part 1

Format	Color
Hex	8664A0
RGB	134, 100, 160
RGB Percent	53%, 39%, 63%
CMY	0.4735, 0.6069, 0.3716
CMYK	0.16, 0.37, 0.00, 0.37
HSL	274°, 24%, 51%
HSV	274°, 37%, 63%
XYZ	20.8175, 16.7945, 35.5176
YIQ	117.0060, 1.0040, 25.8680

Conversions

Conversions Part 2

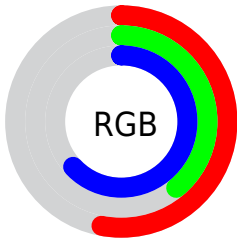
Format	Color
R_{YB}	134, 100, 160
Decimal	8807584
CIE _{Lab}	48.00, 25.53, -27.33
CIE _{LCh}	48, 37.401, 313.050
Yxy	16.7945, 0.2847, 0.2297
Android (android.graphics.Color)	4286997664 (0xFF8664A0)
YUV	117.0060, 21.1960, 14.9037
Hunter-Lab	40.9810, 18.9576, -22.6990

Details

The CIELCh color `48, 37.401, 313.050` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `62, 35.794, 129.670`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `68, 37.620, 313.086`, and `28, 37.609, 313.212` is the 20% darker color. If you saturate the color by 10%, you get `43, 47.602, 313.513`, and if you desaturate by 10%, it is `53, 27.179, 312.573`.

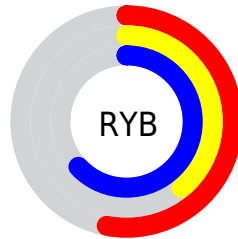
Distribution



Red (53%)

Green (39%)

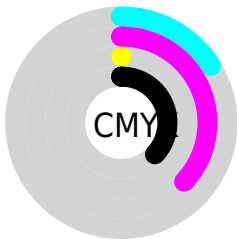
Blue (63%)



Red (53%)

Yellow (39%)

Blue (63%)

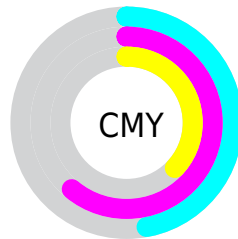


Cyan (16%)

Magenta (37%)

Yellow (0%)

Black (37%)



Cyan (47%)


Magenta (61%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 37.401, 313.050 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, 37.401, 313.050 by changing the saturation by 10% instead.


 48, 37.401,
313.050


 48, 37.401,
313.050


 100, 37.401,
313.050


 38, 37.401,
313.050

 68, 37.401,
313.050


 28, 37.401,
313.050

 78, 37.401,
313.050

 18, 37.401,
313.050

 88, 37.401,
313.050

 8, 37.401, 313.050

 98, 37.401,
313.050

 0, 37.401, 313.050

 48, 37.401,

 48, 37.401,

313.050

43, 47.602,
313.513

39, 57.546,
313.925

35, 66.859,
314.231

32, 75.027,
314.357

29, 81.442,
314.212

27, 85.788,
313.753

26, 86.829,
313.642

313.050

53, 27.179,
312.573

57, 17.086,
312.106

62, 7.206, 311.656

67, 2.419, 131.314

72, 11.771,
130.904

77, 20.844,
130.565

82, 29.645,
130.265

87, 38.181,
130.000

■ 91, 46.465,
129.766

Harmonies

Complementary

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



48, 37.401, 313.050



62, 35.794, 129.670

Rectangle

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



48, 37.401, 313.050



48, 37.401, 3.050



48, 37.401, 133.050



48, 37.401, 183.050

Sweetspot

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



48, 37.400, 313.050



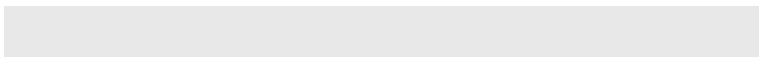
77, 13.272, 311.824



52, 21.201, 268.491



40, 8.914, 311.880



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



48, 37.400, 313.050



57, 56.042, 313.441



51, 39.008, 328.358



31, 5.420, 311.736



23, 79.729, 313.751



1, 6.966, 310.366

Inverse Universe

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



50, 28.287, 351.278



60, 42.127, 352.475



61, 39.044, 143.512



31, 4.117, 348.158



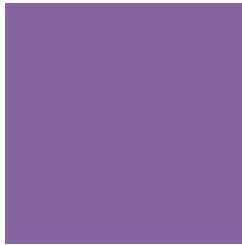
30, 54.827, 7.315



1, 5.242, 348.742

Previews

White Background



This preview shows how the CIELCh color 48, 37.401, 313.050 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, 37.401, 313.050 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, 37.401, 313.050

Background



This preview shows how black text looks on a background with the CIELCh color 48, 37.401, 313.050.



This preview shows how white text looks on a background with the CIELCh color 48, 37.401, 313.050.

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, 37.401, 313.050

Protanopia

48, 34.370, 285.298

Deuteranopia

48, 26.694, 284.353



Tritanopia
48, 9.059, 344.780

Trichromacy



Original Color
48, 37.401, 313.050

Protanomaly
48, 34.249, 295.108

Deuteranomaly
48, 30.200, 296.630

Tritanomaly
48, 18.508, 322.332

Monochromacy



Original Color
48, 37.401, 313.050

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 13.825, 311.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 37.401, 313.050 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(134, 100, 160)` looks like.

```
.text, #text, p{  
    color:rgb(134, 100, 160)  
}
```

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(134, 100, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 100, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 37.401, 313.050 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(134, 100, 160) }
```

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

```
.border{ border-color:rgb(134, 100, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 100, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 100, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 100, 160);  
box-shadow:4px 4px 4px 4px rgb(134, 100,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 37.401, 313.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 100, 160) }
```

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

```
.background{ background-color: rgb(134,  
100, 160) }
```

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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