

Converting Colors

CIELCh(48, 37.090, 313.564)

Have a look what the booklet for
CIELCh(48, 37.090, 313.564)
contains.

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Color

CIELCh(48, 36.961, 313.886)

Conversions

Conversions Part 1

Format	Color
Hex	87649F
RGB	135, 100, 159
RGB Percent	53%, 39%, 62%
CMY	0.4702, 0.6075, 0.3761
CMYK	0.15, 0.37, 0.00, 0.38
HSL	276°, 24%, 51%
HSV	276°, 37%, 62%
XYZ	20.8364, 16.7945, 34.9843
YIQ	117.1910, 1.9210, 25.7690

Conversions

Conversions Part 2

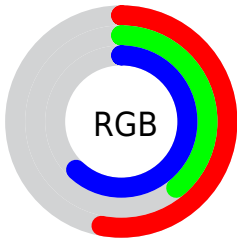
Format	Color
R_{YB}	135, 100, 159
Decimal	8873119
CIE _{Lab}	48.00, 25.62, -26.64
CIE _{LCh}	48, 36.961, 313.886
Yxy	16.7945, 0.2869, 0.2313
Android (android.graphics.Color)	4287063199 (0xFF87649F)
YUV	117.1910, 20.6118, 15.6185
Hunter-Lab	40.9810, 19.0398, -21.9274

Details

The CIELCh color $48, 36.961, 313.886$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 35.509, 130.576$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 37.222, 313.886$, and $28, 37.101, 314.070$ is the 20% darker color. If you saturate the color by 10%, you get $44, 47.096, 314.328$, and if you desaturate by 10%, it is $53, 26.783, 313.426$.

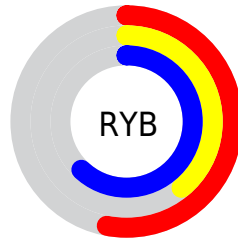
Distribution



Red (53%)

Green (39%)

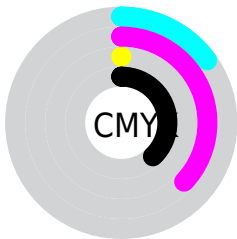
Blue (62%)



Red (53%)

Yellow (39%)

Blue (62%)

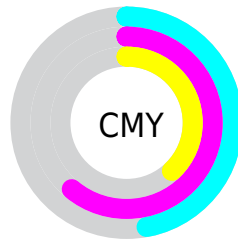


Cyan (15%)

Magenta (37%)

Yellow (0%)

Black (38%)



Cyan (47%)


Magenta (61%)

Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 36.961, 313.886 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, 36.961, 313.886 by changing the saturation by 10% instead.

 48, 36.961,
313.886


 48, 36.961,
313.886


 100, 36.961,
313.886

 38, 36.961,
313.886

 68, 36.961,
313.886

 28, 36.961,
313.886

 78, 36.961,
313.886

 18, 36.961,
313.886

 88, 36.961,
313.886

 8, 36.961, 313.886

 98, 36.961,
313.886

 0, 36.961, 313.886

 48, 36.961,

 48, 36.961,

313.886

44, 47.096,
314.328

39, 56.949,
314.717

35, 66.149,
314.999

32, 74.193,
315.104

29, 80.497,
314.947

27, 84.739,
314.482

26, 85.883,
314.349

313.886

53, 26.783,
313.426

57, 16.718,
312.971

62, 6.853, 312.529

67, 2.765, 132.191

72, 12.116,
131.788

77, 21.192,
131.451

81, 29.998,
131.151

86, 38.541,
130.884

■ 91, 46.833,
130.649

Harmonies

Complementary

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



48, 36.961, 313.886



62, 35.509, 130.576

Rectangle

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



48, 36.961, 313.886



48, 36.961, 3.886



48, 36.961, 133.886



48, 36.961, 183.886

Sweetspot

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



48, 36.960, 313.886



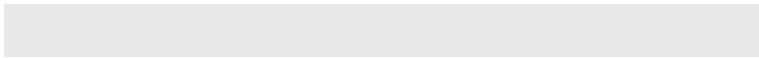
76, 13.219, 312.710



52, 21.297, 269.989



40, 8.966, 312.766



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, 36.960, 313.886



57, 55.662, 314.276



51, 37.984, 328.856



31, 5.453, 312.624



23, 79.294, 314.450



1, 7.007, 311.225

Inverse Universe

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



49, 27.481, 352.925



59, 41.216, 354.219



60, 38.005, 144.019



31, 4.050, 349.763



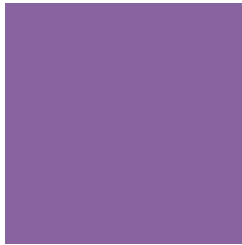
30, 54.924, 9.843



1, 5.158, 350.294

Previews

White Background



This preview shows how the CIELCh color 48, 36.961, 313.886 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, 36.961, 313.886 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, 36.961, 313.886

Background



This preview shows how black text looks on a background with the CIELCh color 48, 36.961, 313.886.



This preview shows how white text looks on a background with the CIELCh color 48, 36.961, 313.886.

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, 36.961, 313.886

Protanopia

48, 33.763, 285.515

Deuteranopia

48, 26.080, 284.730



Tritanopia
48, 9.093, 349.414

Trichromacy



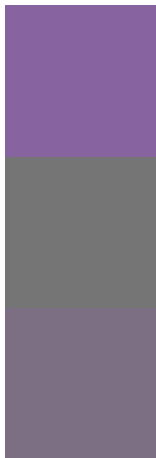
Original Color
48, 36.961, 313.886

Protanomaly
48, 33.673, 295.603

Deuteranomaly
48, 29.635, 297.278

Tritanomaly
48, 18.215, 324.393

Monochromacy



Original Color
48, 36.961, 313.886

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 13.416, 313.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 36.961, 313.886 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(135, 100, 159)` looks like.

```
.text, #text, p{  
    color:rgb(135, 100, 159)  
}
```

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(135, 100, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 100, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 36.961, 313.886 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(135, 100, 159) }
```

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

```
.border{ border-color:rgb(135, 100, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 100, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 100, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 100, 159);  
box-shadow:4px 4px 4px 4px rgb(135, 100,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 36.961, 313.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 100, 159) }
```

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

```
.background{ background-color: rgb(135,  
100, 159) }
```

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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