

Converting Colors

CIELCh(48, 38.497, 313.447)

Have a look what the booklet for
CIELCh(48, 38.497, 313.447)
contains.

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Color

CIELCh(48, 38.031, 313.298)

Conversions

Conversions Part 1

Format	Color
Hex	8764A1
RGB	135, 100, 161
RGB Percent	53%, 39%, 63%
CMY	0.4712, 0.6084, 0.3692
CMYK	0.16, 0.38, 0.00, 0.37
HSL	274°, 24%, 51%
HSV	274°, 38%, 63%
XYZ	20.9317, 16.7945, 35.7874
YIQ	117.4190, 1.2790, 26.3910

Conversions

Conversions Part 2

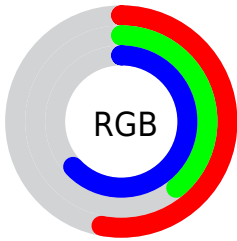
Format	Color
R_{YB}	135, 100, 161
Decimal	8873121
CIE _{Lab}	48.00, 26.08, -27.68
CIE _{LCh}	48, 38.031, 313.298
Yxy	16.7945, 0.2847, 0.2285
Android (android.graphics.Color)	4287063201 (0xFF8764A1)
YUV	117.4190, 21.4854, 15.4185
Hunter-Lab	40.9810, 19.4550, -23.0894

Details

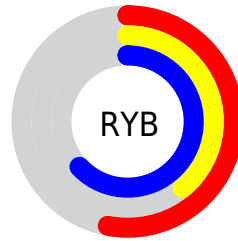
The CIELCh color **48, 38.031, 313.298** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **62, 36.408, 129.883**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 38.230, 313.313**, and **28, 38.248, 313.476** is the 20% darker color. If you saturate the color by 10%, you get **43, 48.254, 313.753**, and if you desaturate by 10%, it is **53, 27.770, 312.826**.

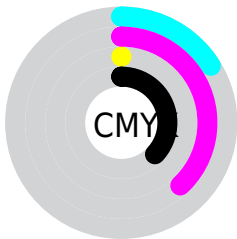
Distribution



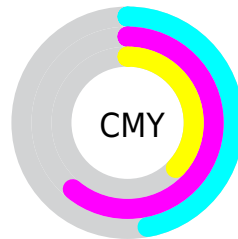
- Red (53%)
- Green (39%)
- Blue (63%)



- Red (53%)
- Yellow (39%)
- Blue (63%)



- Cyan (16%)
- Magenta (38%)
- Yellow (0%)
- Black (37%)




- Cyan (47%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 38.031, 313.298 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, 38.031, 313.298 by changing the saturation by 10% instead.

 48, 38.031,
313.298


 48, 38.031,
313.298


 100, 38.031,
313.298

 38, 38.031,
313.298

 68, 38.031,
313.298

 28, 38.031,
313.298

 78, 38.031,
313.298

 18, 38.031,
313.298

 88, 38.031,
313.298

 8, 38.031, 313.298

 98, 38.031,
313.298

 0, 38.031, 313.298

 48, 38.031,

 48, 38.031,

313.298

43, 48.254,
313.753

39, 58.193,
314.155

35, 67.467,
314.446

32, 75.553,
314.553

29, 81.844,
314.385

27, 86.096,
313.913

26, 86.942,
313.821

313.298

53, 27.770,
312.826

57, 17.629,
312.361

62, 7.694, 311.913

67, 1.989, 131.581

72, 11.399,
131.159

77, 20.530,
130.818

82, 29.387,
130.516

87, 37.979,
130.248

■ 91, 46.316,
130.013

Harmonies

Complementary

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



48, 38.031, 313.298



62, 36.408, 129.883

Rectangle

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



48, 38.031, 313.298



48, 38.031, 3.298



48, 38.031, 133.298



48, 38.031, 183.298

Sweetspot

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



48, 38.030, 313.298



77, 13.293, 312.059



52, 21.528, 268.596



40, 8.927, 312.115



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, 38.030, 313.298



57, 56.088, 313.662



51, 39.593, 328.384



32, 5.573, 311.973



23, 80.659, 313.915



1, 8.475, 309.752

Inverse Universe

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



50, 28.624, 351.786



60, 41.991, 352.933



61, 39.634, 143.465



32, 4.209, 348.581



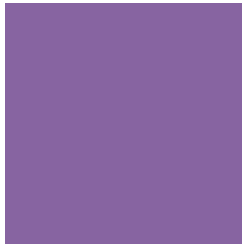
30, 55.555, 8.069



1, 6.302, 350.272

Previews

White Background



This preview shows how the CIELCh color 48, 38.031, 313.298 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, 38.031, 313.298 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, 38.031, 313.298

Background



This preview shows how black text looks on a background with the CIELCh color 48, 38.031, 313.298.

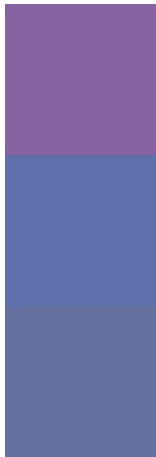


This preview shows how white text looks on a background with the CIELCh color 48, 38.031, 313.298.

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, 38.031, 313.298

Protanopia

48, 34.940, 285.557

Deuteranopia

48, 26.694, 284.353



Tritanopia
48, 9.093, 349.414

Trichromacy



Original Color
48, 38.031, 313.298

Protanomaly
48, 34.830, 295.163

Deuteranomaly
48, 30.218, 297.270

Tritanomaly
48, 18.508, 322.332

Monochromacy



Original Color
48, 38.031, 313.298

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, 38.031, 313.298 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(135, 100, 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(135, 100, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 100, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 38.031, 313.298 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, 161) }
```

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

```
.border{ border-color:rgb(135, 100, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 100, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 100, 161);  
box-shadow:4px 4px 4px 4px rgb(135, 100,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 38.031, 313.298 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, 161) }
```

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

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