

Converting Colors

CIELCh(48, 26.573, 312.076)

Have a look what the booklet for
CIELCh(48, 26.573, 312.076)
contains.

CIELCh(48, 26.296, 311.988)	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, 26.296, 311.988)

Conversions

Conversions Part 1

Format	Color
Hex	806993
RGB	128, 105, 147
RGB Percent	50%, 41%, 58%
CMY	0.4981, 0.5883, 0.4236
CMYK	0.13, 0.29, 0.00, 0.42
HSL	273°, 17%, 49%
HSV	273°, 29%, 58%
XYZ	19.2152, 16.7945, 29.8263
YIQ	116.6650, 0.2260, 17.9380

Conversions

Conversions Part 2

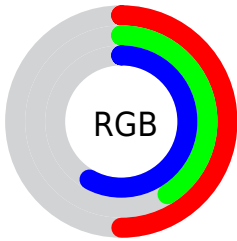
Format	Color
RYB	128, 105, 147
Decimal	8415635
CIELab	48.00, 17.59, -19.55
CIELCh	48, 26.296, 311.988
Yxy	16.7945, 0.2919, 0.2551
Android (android.graphics.Color)	4286605715 (0xFF806993)
YUV	116.6650, 14.9552, 9.9408
Hunter-Lab	40.9810, 11.9785, -14.4650

Details

The CIELCh color $[48, 26.296, 311.988]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[58, 25.407, 129.451]$, and the grayscale version is $[49, 0.007, 296.813]$.

A 20% lighter version of the original color is $[68, 26.467, 311.981]$, and $[28, 25.812, 311.751]$ is the 20% darker color. If you saturate the color by 10%, you get $[44, 35.814, 312.475]$, and if you desaturate by 10%, it is $[52, 16.898, 311.512]$.

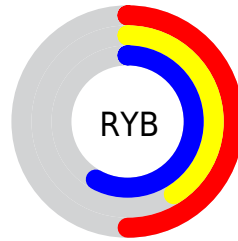
Distribution



Red (50%)

Green (41%)

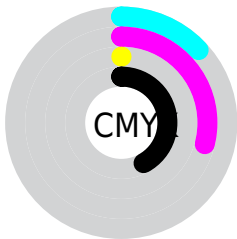
Blue (58%)



Red (50%)

Yellow (41%)

Blue (58%)

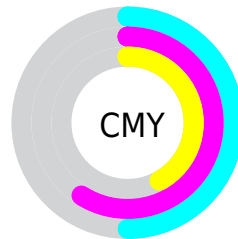


Cyan (13%)

Magenta (29%)

Yellow (0%)

Black (42%)



Cyan (50%)

Magenta (59%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 26.296, 311.988 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, 26.296, 311.988 by changing the saturation by 10% instead.


 48, 26.296,
311.988


 48, 26.296,
311.988


 100, 26.296,
311.988


 38, 26.296,
311.988

 68, 26.296,
311.988


 28, 26.296,
311.988

 78, 26.296,
311.988

 18, 26.296,
311.988

 88, 26.296,
311.988

 8, 26.296, 311.988

 98, 26.296,
311.988

 0, 26.296, 311.988

 48, 26.296,

 48, 26.296,

311.988

44, 35.814,
312.475

39, 45.322,
312.949

35, 54.594,
313.374

31, 63.284,
313.694

28, 70.909,
313.831

26, 76.892,
313.691

23, 81.159,
313.284

23, 81.773,
313.238

311.988

52, 16.898,
311.512

57, 7.701, 311.057

62, 1.256, 130.743

66, 9.959, 130.293

71, 18.403,
129.950

75, 26.593,
129.648

80, 34.537,
129.380

84, 42.247,
129.146

89, 49.734,

Harmonies

Complementary

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



48, 26.296, 311.988



58, 25.407, 129.451

Rectangle

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



48, 26.296, 311.988



48, 26.296, 1.988



48, 26.296, 131.988



48, 26.296, 181.988

Sweetspot

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



48, 26.295, 311.988



72, 10.030, 311.085



51, 14.538, 263.282



38, 7.037, 311.145



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



48, 26.295, 311.988



58, 39.009, 312.286



50, 28.519, 326.879



29, 5.105, 311.086



21, 77.934, 313.304



1, 4.415, 310.712

Inverse Universe

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



49, 20.247, 348.986



60, 29.944, 349.705



57, 28.511, 143.418



29, 3.943, 347.026



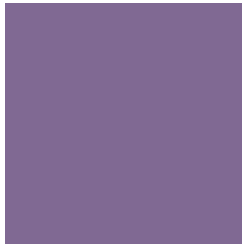
29, 53.407, 5.329



1, 3.406, 346.295

Previews

White Background



This preview shows how the CIELCh color 48, 26.296, 311.988 looks on a white background.

Color Contrast Check

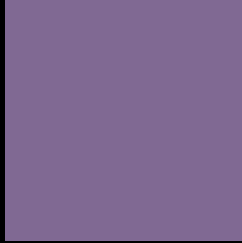
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.296, 311.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

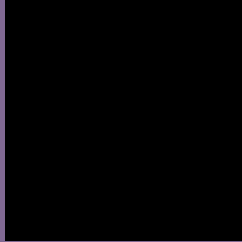
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 26.296, 311.988

Background



This preview shows how black text looks on a background with the CIELCh color 48, 26.296, 311.988.



This preview shows how white text looks on a background with the CIELCh color 48, 26.296, 311.988.

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, 26.296, 311.988

Protanopia

48, 23.699, 284.990

Deuteranopia

48, 20.058, 289.761



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 26.296, 311.988

Protanomaly
48, 24.240, 294.983

Deuteranomaly
48, 22.071, 299.587

Tritanomaly
48, 14.132, 319.784

Monochromacy



Original Color
48, 26.296, 311.988

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.409, 310.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 26.296, 311.988 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(128, 105, 147)` looks like.

```
.text, #text, p{  
    color:rgb(128, 105, 147)  
}
```

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(128, 105, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 105, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 26.296, 311.988 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(128, 105, 147) }
```

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

```
.border{ border-color:rgb(128, 105, 147) }
```

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

Here you see how a box with a 4 pixel rgb(128, 105, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 105, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 105, 147);  
box-shadow:4px 4px 4px 4px rgb(128, 105,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 26.296, 311.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 105, 147) }
```

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

```
.background{ background-color: rgb(128,  
105, 147) }
```

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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