

Converting Colors

CIELCh(48, 33.133, 303.698)

Have a look what the booklet for
CIELCh(48, 33.133, 303.698)
contains.

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Color

CIELCh(48, 33.061, 303.847)

Conversions

Conversions Part 1

Format	Color
Hex	7969A0
RGB	121, 105, 160
RGB Percent	47%, 41%, 63%
CMY	0.5243, 0.5871, 0.3714
CMYK	0.24, 0.34, 0.00, 0.37
HSL	257°, 23%, 52%
HSV	257°, 34%, 63%
XYZ	19.3773, 16.7945, 35.6160
YIQ	116.0540, -8.1190, 20.4970

Conversions

Conversions Part 2

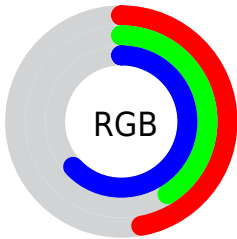
Format	Color
R_{YB}	121, 105, 160
Decimal	7956896
CIE _{Lab}	48.00, 18.41, -27.46
CIE _{LCh}	48, 33.061, 303.847
Yxy	16.7945, 0.2699, 0.2339
Android (android.graphics.Color)	4286146976 (0xFF7969A0)
YUV	116.0540, 21.6654, 4.3376
Hunter-Lab	40.9810, 12.6845, -22.8413

Details

The CIELCh color **48, 33.061, 303.847** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **64, 30.840, 119.484**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 33.263, 303.813**, and **28, 32.726, 303.796** is the 20% darker color. If you saturate the color by 10%, you get **43, 43.356, 304.722**, and if you desaturate by 10%, it is **53, 23.036, 303.049**.

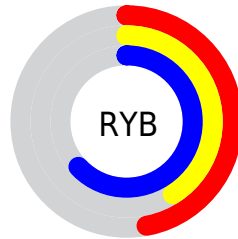
Distribution



Red (47%)

Green (41%)

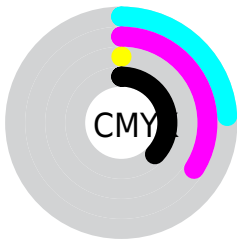
Blue (63%)



Red (47%)

Yellow (41%)

Blue (63%)

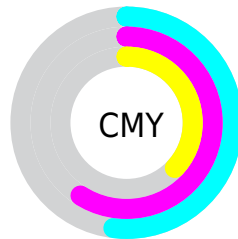


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (37%)



Cyan (52%)


Magenta (59%)

Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 33.061, 303.847 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, 33.061, 303.847 by changing the saturation by 10% instead.

 48, 33.061,
303.847


 48, 33.061,
303.847

 100, 33.061,
303.847


 38, 33.061,
303.847

 68, 33.061,
303.847

 28, 33.061,
303.847

 78, 33.061,
303.847

 18, 33.061,
303.847

 88, 33.061,
303.847

 8, 33.061, 303.847

 98, 33.061,
303.847

 0, 33.061, 303.847

 48, 33.061,

 48, 33.061,

303.847

■ 43, 43.356,
304.722

■ 38, 53.810,
305.651

■ 33, 64.178,
306.582

■ 29, 74.003,
307.423

■ 25, 82.538,
308.032

■ 22, 88.818,
308.232

■ 21, 91.797,
308.308

303.847

■ 53, 23.036,
303.049

■ 58, 13.332,
302.335

■ 64, 3.959, 301.700

■ 69, 5.088, 121.168

■ 74, 13.823,
120.686

■ 79, 22.261,
120.272

■ 84, 30.421,
119.915

■ 89, 38.318,
119.607

■ 94, 45.969,
119.343

Harmonies

Complementary

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



48, 33.061, 303.847



64, 30.840, 119.484

Rectangle

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



48, 33.061, 303.847



48, 33.061, 353.847



48, 33.061, 123.847



48, 33.061, 173.847

Sweetspot

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



48, 33.060, 303.847



77, 11.475, 302.064



58, 15.824, 232.715



40, 7.830, 302.149



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, 33.060, 303.847



57, 49.610, 304.494



51, 35.630, 319.781



31, 5.159, 302.004



18, 84.248, 308.397



1, 6.638, 300.895

Inverse Universe

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



51, 30.756, 336.362



63, 45.349, 336.971



62, 35.044, 136.531



31, 4.979, 334.503



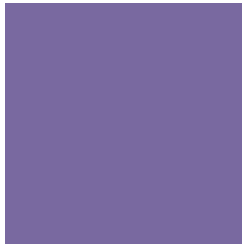
31, 60.524, 343.800



1, 6.303, 335.373

Previews

White Background



This preview shows how the CIELCh color 48, 33.061, 303.847 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, 33.061, 303.847 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, 33.061, 303.847

Background



This preview shows how black text looks on a background with the CIELCh color 48, 33.061, 303.847.

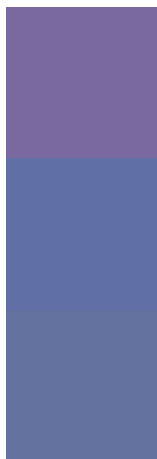


This preview shows how white text looks on a background with the CIELCh color 48, 33.061, 303.847.

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, 33.061, 303.847

Protanopia

48, 32.011, 285.225

Deuteranopia

48, 27.309, 284.006



Tritanopia
48, 5.333, 295.127

Trichromacy



Original Color
48, 33.061, 303.847

Protanomaly
48, 31.838, 291.347

Deuteranomaly
48, 28.907, 291.933

Tritanomaly
48, 15.642, 301.874

Monochromacy



Original Color
48, 33.061, 303.847

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 12.057, 302.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 33.061, 303.847 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(121, 105, 160)` looks like.

```
.text, #text, p{  
    color:rgb(121, 105, 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(121, 105, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 105, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 33.061, 303.847 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(121, 105, 160) }
```

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

```
.border{ border-color:rgb(121, 105, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 105, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 105, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 105, 160);  
box-shadow:4px 4px 4px 4px rgb(121, 105,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 33.061, 303.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 105, 160) }
```

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

```
.background{ background-color: rgb(121,  
105, 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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