

Converting Colors

CIELCh(48, 22.521, 311.169)

Have a look what the booklet for
CIELCh(48, 22.521, 311.169)
contains.

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Color

CIELCh(48, 22.488, 311.161)

Conversions

Conversions Part 1

Format	Color
Hex	7E6B8F
RGB	126, 107, 143
RGB Percent	49%, 42%, 56%
CMY	0.5077, 0.5821, 0.4410
CMYK	0.12, 0.25, 0.00, 0.44
HSL	272°, 14%, 49%
HSV	272°, 25%, 56%
XYZ	18.6723, 16.7945, 28.0609
YIQ	116.7850, -0.2320, 15.2240

Conversions

Conversions Part 2

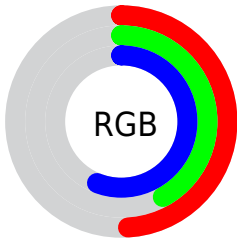
Format	Color
R _Y B	126, 107, 143
Decimal	8285071
CIE Lab	48.00, 14.80, -16.93
CIE LCh	48, 22.488, 311.161
Yxy	16.7945, 0.2939, 0.2644
Android (android.graphics.Color)	4286475151 (0xFF7E6B8F)
YUV	116.7850, 12.9240, 8.0816
Hunter-Lab	40.9810, 9.6137, -11.9108

Details

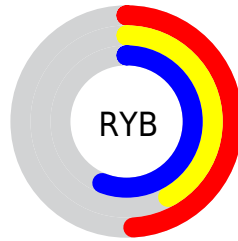
The CIELCh color `48, 22.488, 311.161` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `57, 21.788, 128.919`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `68, 22.876, 311.284`, and `28, 22.420, 311.180` is the 20% darker color. If you saturate the color by 10%, you get `44, 31.726, 311.659`, and if you desaturate by 10%, it is `52, 13.410, 310.682`.

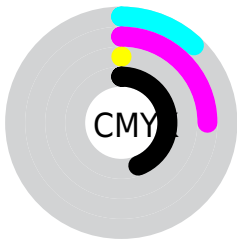
Distribution



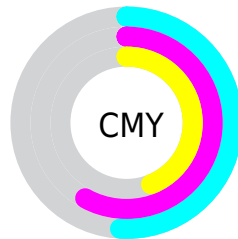
- Red (49%)
- Green (42%)
- Blue (56%)



- Red (49%)
- Yellow (42%)
- Blue (56%)



- Cyan (12%)
- Magenta (25%)
- Yellow (0%)
- Black (44%)



- Cyan (51%)
- Magenta (58%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 22.488, 311.161 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, 22.488, 311.161 by changing the saturation by 10% instead.


 48, 22.488,
311.161


 48, 22.488,
311.161


 100, 22.488,
311.161


 38, 22.488,
311.161

 68, 22.488,
311.161


 28, 22.488,
311.161

 78, 22.488,
311.161

 18, 22.488,
311.161

 88, 22.488,
311.161

 8, 22.488, 311.161

 98, 22.488,
311.161

 0, 22.488, 311.161

 48, 22.488,

 48, 22.488,

311.161

44, 31.726,
311.659

39, 41.024,
312.159

35, 50.205,
312.628

31, 58.981,
313.018

28, 66.929,
313.258

25, 73.502,
313.256

23, 78.215,
312.931

22, 80.276,
312.780

311.161

52, 13.410,
310.682

57, 4.551, 310.225

61, 4.063, 129.866


66, 12.424,
129.485

70, 20.533,
129.155

75, 28.397,
128.864

79, 36.026,
128.609

83, 43.431,
128.386

 88, 50.625,
128.192

Harmonies

Complementary

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



48, 22.488, 311.161



57, 21.788, 128.919

Rectangle

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



48, 22.488, 311.161



48, 22.488, 1.161



48, 22.488, 131.161



48, 22.488, 181.161

Sweetspot

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



48, 22.487, 311.161



71, 8.673, 310.359



51, 12.329, 260.899



37, 6.223, 310.422



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 22.487, 311.161



59, 33.432, 311.428



50, 24.861, 326.227



28, 4.937, 310.405



20, 77.193, 312.836



0, 3.296, 310.027

Inverse Universe

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



49, 17.605, 347.435



61, 26.100, 348.020



56, 24.850, 143.249



28, 3.879, 345.879



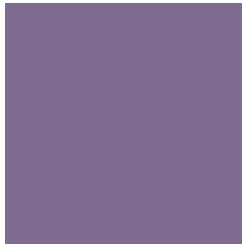
28, 52.772, 3.369



1, 2.590, 345.165

Previews

White Background



This preview shows how the CIELCh color 48, 22.488, 311.161 looks on a white background.

Color Contrast Check

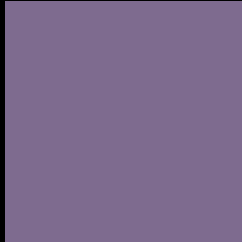
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 22.488, 311.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

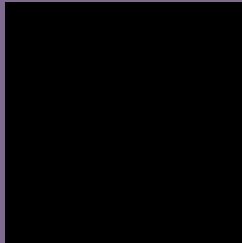
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.488, 311.161

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.488, 311.161.



This preview shows how white text looks on a background with the CIELCh color 48, 22.488, 311.161.

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, 22.488, 311.161

Protanopia

48, 20.154, 284.804

Deuteranopia

48, 17.697, 291.331



Tritanopia
48, 6.939, 330.398

Trichromacy



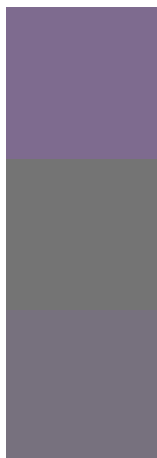
Original Color
48, 22.488, 311.161

Protanomaly
48, 20.087, 293.832

Deuteranomaly
48, 19.080, 299.264

Tritanomaly
48, 12.546, 317.485

Monochromacy



Original Color
48, 22.488, 311.161

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.046, 308.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.488, 311.161 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(126, 107, 143)` looks like.

```
.text, #text, p{  
    color:rgb(126, 107, 143)  
}
```

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(126, 107, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 107, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.488, 311.161 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(126, 107, 143) }
```

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

```
.border{ border-color:rgb(126, 107, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 107, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 107, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 107, 143);  
box-shadow:4px 4px 4px 4px rgb(126, 107,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.488, 311.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 107, 143) }
```

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

```
.background{ background-color: rgb(126,  
107, 143) }
```

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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