

Converting Colors

CIELCh(48, 22.062, 299.887)

Have a look what the booklet for
CIELCh(48, 22.062, 299.887)
contains.

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Color

CIELCh(48, 22.071, 299.587)

Conversions

Conversions Part 1

Format	Color
Hex	746D92
RGB	116, 109, 146
RGB Percent	45%, 43%, 57%
CMY	0.5442, 0.5717, 0.4266
CMYK	0.21, 0.25, 0.00, 0.43
HSL	251°, 15%, 50%
HSV	251°, 25%, 57%
XYZ	17.9301, 16.7945, 29.5843
YIQ	115.3110, -7.7050, 12.9910

Conversions

Conversions Part 2

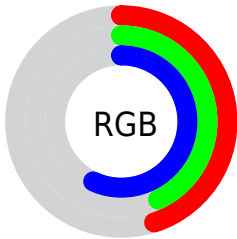
Format	Color
R _Y B	116, 109, 146
Decimal	7630226
CIE Lab	48.00, 10.90, -19.19
CIE LCh	48, 22.071, 299.587
Yxy	16.7945, 0.2788, 0.2612
Android (android.graphics.Color)	4285820306 (0xFF746D92)
YUV	115.3110, 15.1297, 0.6043
Hunter-Lab	40.9810, 6.3807, -14.1148

Details

The CIELCh color $48, 22.071, 299.587$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 20.906, 115.862$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 22.328, 299.529$, and $28, 21.527, 299.124$ is the 20% darker color. If you saturate the color by 10%, you get $43, 31.370, 300.588$, and if you desaturate by 10%, it is $53, 13.102, 298.707$.

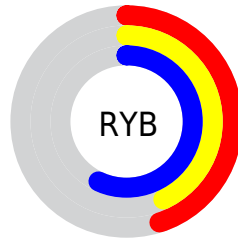
Distribution



Red (45%)

Green (43%)

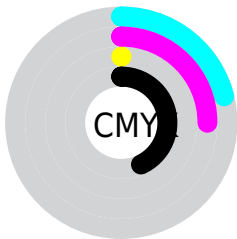
Blue (57%)



Red (45%)

Yellow (43%)

Blue (57%)

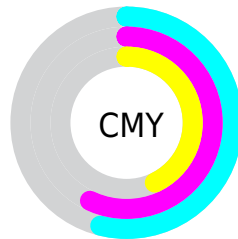


Cyan (21%)

Magenta (25%)

Yellow (0%)

Black (43%)



Cyan (54%)

Magenta (57%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 22.071, 299.587 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, 22.071, 299.587 by changing the saturation by 10% instead.


 48, 22.071,
299.587


 48, 22.071,
299.587


 100, 22.071,
299.587


 38, 22.071,
299.587

 68, 22.071,
299.587

 28, 22.071,
299.587

 78, 22.071,
299.587

 18, 22.071,
299.587

 88, 22.071,
299.587

 8, 22.071, 299.587

 98, 22.071,
299.587

 0, 22.071, 299.587

 48, 22.071,

 48, 22.071,

299.587

43, 31.370,
300.588

38, 40.978,
301.711

33, 50.809,
302.936

29, 60.658,
304.210

24, 70.090,
305.429

21, 78.339,
306.421

18, 84.440,
306.995

17, 87.040,
307.293

299.587

53, 13.102,
298.707

58, 4.464, 297.941

63, 3.858, 117.282

68, 11.881,
116.709

73, 19.625,
116.216

78, 27.107,
115.791

82, 34.345,
115.424

87, 41.353,
115.108

■ 92, 48.147,
114.836

Harmonies

Complementary

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



48, 22.071, 299.587



59, 20.906, 115.862

Rectangle

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



48, 22.071, 299.587



48, 22.071, 349.587



48, 22.071, 119.587



48, 22.071, 169.587

Sweetspot

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



48, 22.070, 299.586



72, 8.412, 298.149



56, 11.461, 218.376



38, 6.041, 298.254



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, 22.070, 299.586



59, 32.888, 300.104



50, 23.757, 316.251



29, 4.826, 298.227



16, 83.268, 307.330



0, 4.155, 297.577

Inverse Universe

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



51, 22.615, 331.700



63, 33.338, 332.045



58, 23.294, 134.072



29, 5.064, 330.677



31, 63.302, 337.244



1, 4.402, 330.152

Previews

White Background



This preview shows how the CIELCh color 48, 22.071, 299.587 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, 22.071, 299.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

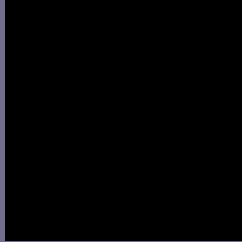
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.071, 299.587

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.071, 299.587.



This preview shows how white text looks on a background with the CIELCh color 48, 22.071, 299.587.

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, 22.071, 299.587

Protanopia

48, 21.350, 284.546

Deuteranopia

48, 20.072, 288.761



Tritanopia
48, 5.349, 282.493

Trichromacy



Original Color
48, 22.071, 299.587

Protanomaly
48, 21.242, 289.160

Deuteranomaly
48, 20.666, 292.886

Tritanomaly
48, 11.260, 295.547

Monochromacy



Original Color
48, 22.071, 299.587

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.709, 296.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.071, 299.587 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(116, 109, 146)` looks like.

```
.text, #text, p{  
    color:rgb(116, 109, 146)  
}
```

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(116, 109, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 109, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.071, 299.587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

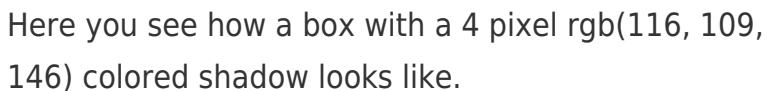
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 109, 146) }
```

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

```
.border{ border-color:rgb(116, 109, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 109, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 109, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 109, 146); box-shadow:4px 4px 4px 4px rgb(116, 109, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.071, 299.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 109, 146) }
```

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

```
.background{ background-color: rgb(116,  
109, 146) }
```

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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