

Converting Colors

CIELCh(48, 72.685, 299.043)

Have a look what the booklet for
CIELCh(48, 72.685, 299.043)
contains.

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Color

CIELCh(48, 73.064, 299.139)

Conversions

Conversions Part 1

Format	Color
Hex	6462DF
RGB	100, 98, 223
RGB Percent	39%, 38%, 87%
CMY	0.6075, 0.6154, 0.1252
CMYK	0.55, 0.56, 0.00, 0.13
HSL	241°, 66%, 63%
HSV	241°, 56%, 87%
XYZ	22.9693, 16.7945, 71.9001
YIQ	112.8480, -38.9330, 39.2990

Conversions

Conversions Part 2

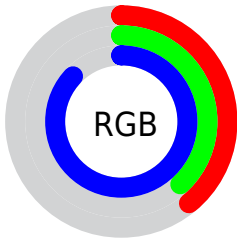
Format	Color
R_{YB}	100, 98, 223
Decimal	6578911
CIE _{Lab}	48.00, 35.58, -63.82
CIE _{LCh}	48, 73.064, 299.139
Yxy	16.7945, 0.2057, 0.1504
Android (android.graphics.Color)	4284768991 (0xFF6462DF)
YUV	112.8480, 54.3049, -11.2677
Hunter-Lab	40.9810, 28.3300, -75.3360

Details

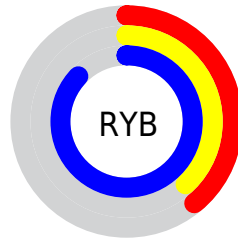
The CIELCh color **48, 73.064, 299.139** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **87, 62.071, 105.707**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.747, 298.631**, and **28, 73.407, 299.216** is the 20% darker color. If you saturate the color by 10%, you get **41, 87.383, 301.269**, and if you desaturate by 10%, it is **55, 58.856, 297.144**.

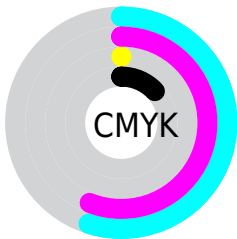
Distribution



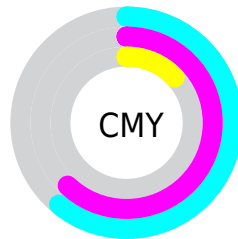
- Red (39%)
- Green (38%)
- Blue (87%)



- Red (39%)
- Yellow (38%)
- Blue (87%)



- Cyan (55%)
- Magenta (56%)
- Yellow (0%)
- Black (13%)




- Cyan (61%)
- Magenta (62%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 73.064, 299.139 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, 73.064, 299.139 by changing the saturation by 10% instead.

 48, 73.064,
299.139


 48, 73.064,
299.139


 100, 73.064,
299.139


 38, 73.064,
299.139

 68, 73.064,
299.139


 28, 73.064,
299.139

 78, 73.064,
299.139

 18, 73.064,
299.139

 88, 73.064,
299.139

 8, 73.064, 299.139

 98, 73.064,
299.139

 0, 73.064, 299.139

 48, 73.064,

 48, 73.064,

299.139

■ 41, 87.383,
301.269

■ 36, 100.960,
303.338

■ 31, 112.179,
305.037

■ 28, 119.066,
306.046

■ 28, 120.881,
306.325

299.139

■ 55, 58.856,
297.144

■ 62, 45.102,
295.368

■ 70, 31.898,
293.831

■ 77, 19.243,
292.521

■ 84, 7.106, 291.413

■ 92, 4.552, 110.446

■ 99, 15.767,
109.653

■ 99, 16.146,
108.957

Harmonies

Complementary

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



48, 73.064, 299.139



87, 62.071, 105.707

Rectangle

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



48, 73.064, 299.139



48, 73.064, 349.139



48, 73.064, 119.139



48, 73.064, 169.139

Sweetspot

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



48, 73.064, 299.140



86, 22.783, 292.653



82, 35.965, 196.985



44, 15.303, 292.906



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 73.064, 299.140



46, 98.951, 301.582



54, 73.226, 311.916



43, 6.756, 291.769



21, 101.220, 306.338



2, 31.656, 296.223

Inverse Universe

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



61, 76.085, 327.784



65, 97.002, 328.218



83, 67.303, 126.539



44, 8.065, 325.375



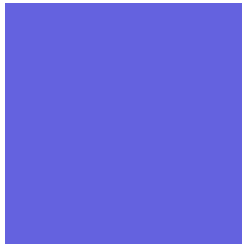
42, 86.393, 328.883



8, 35.541, 328.770

Previews

White Background



This preview shows how the CIELCh color 48, 73.064, 299.139 looks on a white background.

Color Contrast Check

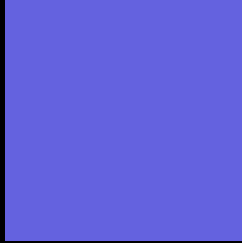
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.064, 299.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

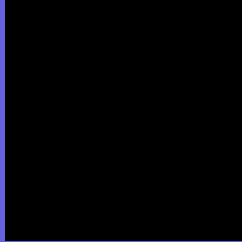
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 73.064, 299.139

Background



This preview shows how black text looks on a background with the CIELCh color 48, 73.064, 299.139.



This preview shows how white text looks on a background with the CIELCh color 48, 73.064, 299.139.

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, 73.064, 299.139

Protanopia

48, 72.999, 287.757

Deuteranopia

48, 52.367, 276.080



Tritanopia
48, 18.897, 215.990

Trichromacy



Original Color
48, 73.064, 299.139

Protanomaly
47, 73.021, 289.857

Deuteranomaly
47, 60.153, 284.414

Tritanomaly
47, 31.817, 275.620

Monochromacy



Original Color
48, 73.064, 299.139

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 26.648, 293.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 73.064, 299.139 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(100, 98, 223)` looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 223)  
}
```

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(100, 98, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 73.064, 299.139 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(100, 98, 223) }
```

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

```
.border{ border-color:rgb(100, 98, 223) }
```

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

Here you see how a box with a 4 pixel rgb(100, 98, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 223);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 73.064, 299.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 223) }
```

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

```
.background{ background-color: rgb(100, 98,  
223) }
```

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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