

Converting Colors

CIELCh(48, 76.456, 299.343)

Have a look what the booklet for
CIELCh(48, 76.456, 299.343)
contains.

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Color

CIELCh(48, 76.452, 299.433)

Conversions

Conversions Part 1

Format	Color
Hex	6361E4
RGB	99, 97, 228
RGB Percent	39%, 38%, 89%
CMY	0.6119, 0.6197, 0.1060
CMYK	0.57, 0.57, 0.00, 0.11
HSL	241°, 71%, 64%
HSV	241°, 57%, 89%
XYZ	23.4128, 16.7945, 75.3822
YIQ	112.5320, -40.8590, 41.1650

Conversions

Conversions Part 2

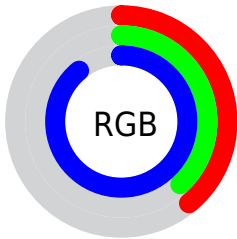
Format	Color
R _Y B	99, 97, 228
Decimal	6513124
CIE Lab	48.00, 37.57, -66.58
CIE LCh	48, 76.452, 299.433
Yxy	16.7945, 0.2026, 0.1453
Android (android.graphics.Color)	4284703204 (0xFF6361E4)
YUV	112.5320, 56.9257, -11.8676
Hunter-Lab	40.9810, 30.2619, -80.3737

Details

The CIELCh color `48, 76.452, 299.433` is a dark color, and the websafe version is hex `6666FF`. A complement of this color would be `88, 64.549, 105.547`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 59.356, 298.937`, and `28, 76.393, 299.490` is the 20% darker color. If you saturate the color by 10%, you get `41, 90.986, 301.577`, and if you desaturate by 10%, it is `55, 61.943, 297.403`.

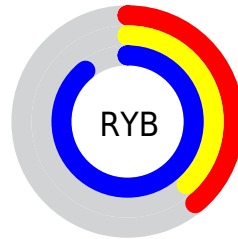
Distribution



Red (39%)

Green (38%)

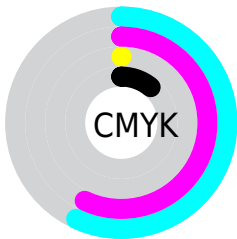
Blue (89%)



Red (39%)

Yellow (38%)

Blue (89%)

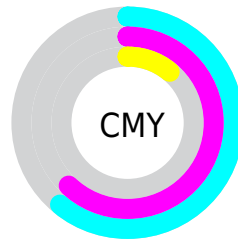


Cyan (57%)

Magenta (57%)

Yellow (0%)

Black (11%)



Cyan (61%)


Magenta (62%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.452, 299.433 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, 76.452, 299.433 by changing the saturation by 10% instead.

 48, 76.452,
299.433


 48, 76.452,
299.433

 100, 76.452,
299.433

 38, 76.452,
299.433

 68, 76.452,
299.433

 28, 76.452,
299.433

 78, 76.452,
299.433

 18, 76.452,
299.433

 88, 76.452,
299.433

 8, 76.452, 299.433

 98, 76.452,
299.433

 0, 76.452, 299.433

 48, 76.452,

 48, 76.452,

299.433

41, 90.986,
301.577

36, 104.568,
303.620

31, 115.435,
305.238

29, 121.718,
306.146

28, 122.876,
306.322

299.433

55, 61.943,
297.403

63, 47.866,
295.587

70, 34.344,
294.010

78, 21.385,
292.664

85, 8.959, 291.525

92, 2.973, 110.526

99, 13.679,
109.144

Harmonies

Complementary

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



48, 76.452, 299.433



88, 64.549, 105.547

Rectangle

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



48, 76.452, 299.433



48, 76.452, 349.433



48, 76.452, 119.433



48, 76.452, 169.433

Sweetspot

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



48, 76.452, 299.434



86, 22.783, 292.620



84, 37.188, 196.945



44, 15.303, 292.873



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, 76.452, 299.434



45, 102.064, 301.996



54, 76.392, 311.985



44, 6.882, 291.737



21, 102.312, 306.334



2, 33.702, 297.142

Inverse Universe

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



62, 79.075, 327.818



65, 98.988, 328.254



84, 70.039, 126.494



45, 8.221, 325.351



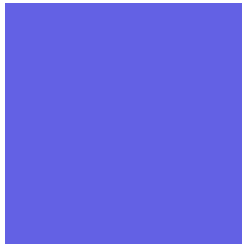
42, 87.381, 328.846



8, 36.736, 328.750

Previews

White Background



This preview shows how the CIELCh color 48, 76.452, 299.433 looks on a white background.

Color Contrast Check

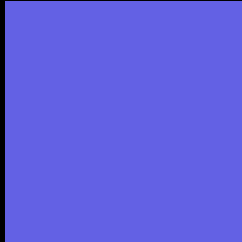
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.452, 299.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

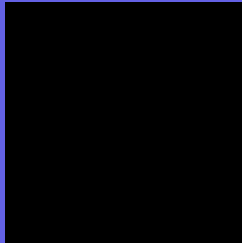
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.452, 299.433

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.452, 299.433.



This preview shows how white text looks on a background with the CIELCh color 48, 76.452, 299.433.

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



Trichromacy



Original Color
48, 76.452, 299.433

Protanomaly
47, 74.117, 290.175

Tritanomaly
47, 32.659, 273.905

Monochromacy



Original Color
48, 76.452, 299.433

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 28.456, 294.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.452, 299.433 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(99, 97, 228)` looks like.

```
.text, #text, p{  
    color:rgb(99, 97, 228)  
}
```

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(99, 97, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 97, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.452, 299.433 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(99, 97, 228) }
```

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

```
.border{ border-color:rgb(99, 97, 228) }
```

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

Here you see how a box with a 4 pixel rgb(99, 97, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 97, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 97, 228);  
box-shadow:4px 4px 4px 4px rgb(99, 97,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.452, 299.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 97, 228) }
```

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

```
.background{ background-color: rgb(99, 97,  
228) }
```

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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