

Converting Colors

CIELCh(47, 72.409, 282.040)

Have a look what the booklet for
CIELCh(47, 72.409, 282.040)
contains.

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Color

CIELCh(49, 71.234, 286.801)

Conversions

Conversions Part 1

Format	Color
Hex	0870E9
RGB	8, 112, 233
RGB Percent	3%, 44%, 91%
CMY	0.9686, 0.5600, 0.0846
CMYK	0.97, 0.52, 0.00, 0.08
HSL	212°, 93%, 47%
HSV	212°, 97%, 92%
XYZ	20.6871, 17.5941, 79.7232
YIQ	94.6980, -100.8250, 15.5830

Conversions

Conversions Part 2

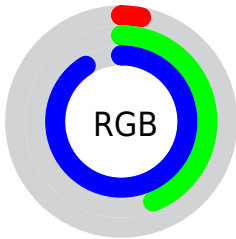
Format	Color
RYB	8, 79, 233
Decimal	553193
CIELab	49.00, 20.59, -68.19
CIELCh	49, 71.234, 286.801
Yxy	17.5941, 0.1753, 0.1491
Android (android.graphics.Color)	4278743273 (0xFF0870E9)
YUV	94.6980, 68.1829, -76.0341
Hunter-Lab	41.9453, 14.6306, -83.3278

Details

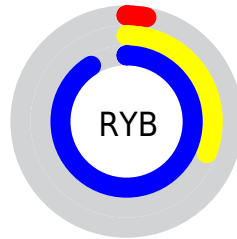
The CIELCh color **49, 71.234, 286.801** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **64, 77.359, 64.169**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 51.852, 279.443**, and **32, 68.877, 293.957** is the 20% darker color. If you saturate the color by 10%, you get **48, 73.911, 288.243**, and if you desaturate by 10%, it is **53, 63.617, 282.418**.

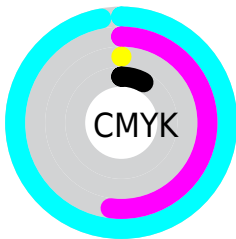
Distribution



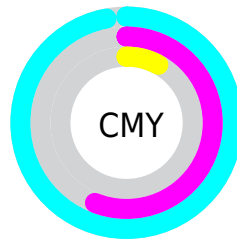
- Red (3%)
- Green (44%)
- Blue (91%)



- Red (3%)
- Yellow (31%)
- Blue (91%)



- Cyan (97%)
- Magenta (52%)
- Yellow (0%)
- Black (8%)





- Cyan (97%)
- Magenta (56%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 71.234, 286.801 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 49, 71.234, 286.801 by changing the saturation by 10% instead.


 49, 71.234,
286.801


 49, 71.234,
286.801


 100, 71.234,
286.801


 39, 71.234,
286.801

 69, 71.234,
286.801


 29, 71.234,
286.801

 79, 71.234,
286.801

 19, 71.234,
286.801

 89, 71.234,
286.801

 9, 71.234, 286.801

 99, 71.234,
286.801

 0, 71.234, 286.801

 49, 71.234,

 49, 71.234,

286.801

286.801

■ 48, 73.911,
288.243

■ 53, 63.617,
282.418

■ 57, 56.210,
278.217

■ 61, 48.938,
274.383

■ 66, 41.714,
271.004

■ 70, 34.469,
268.093

■ 75, 27.168,
265.619

■ 80, 19.802,
263.532

■ 84, 12.380,
261.776

Harmonies

Complementary

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



49, 71.234, 286.801



64, 77.359, 64.169

Rectangle

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



49, 71.234, 286.801



49, 71.234, 336.801



49, 71.234, 106.801



49, 71.234, 156.801

Sweetspot

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



49, 71.234, 286.803



85, 23.201, 264.034



82, 79.423, 151.283



43, 15.898, 264.924



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 71.234, 286.803



52, 79.419, 288.463



30, 123.464, 306.139



47, 4.268, 260.712



37, 60.073, 287.490



9, 21.984, 279.683

Inverse Universe

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



50, 78.449, 4.840



55, 84.423, 6.655



89, 90.105, 104.933



46, 5.814, 346.512



39, 65.294, 5.548



8, 28.293, 358.137

Previews

White Background



This preview shows how the CIE LCh color 49, 71.234, 286.801 looks on a white background.

Color Contrast Check

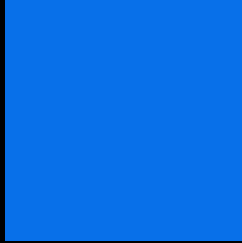
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 71.234, 286.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

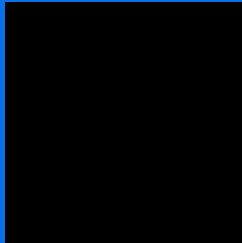
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

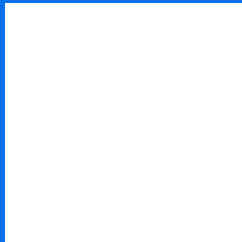
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 71.234, 286.801

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.234, 286.801.



This preview shows how white text looks on a background with the CIELCh color 49, 71.234, 286.801.

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


49, 71.126, 286.798

Protanopia

49, 70.944, 287.665

Deuteranopia

49, 52.845, 275.960



Tritanopia
49, 29.306, 205.943

Trichromacy



Original Color
49, 71.126, 286.798

Protanomaly
49, 71.025, 287.272

Deuteranomaly
49, 59.139, 280.516

Tritanomaly
48, 35.474, 253.130

Monochromacy



Original Color
49, 71.126, 286.798

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 28.271, 270.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.234, 286.801 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(8, 112, 233)` looks like.

```
.text, #text, p{  
    color:rgb(8, 112, 233)  
}
```

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(8, 112, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 112, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.234, 286.801 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(8, 112, 233) }
```

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

```
.border{ border-color:rgb(8, 112, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 112, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 112, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 112, 233);  
box-shadow:4px 4px 4px 4px rgb(8, 112,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.234, 286.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 112, 233) }
```

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

```
.background{ background-color: rgb(8, 112,  
233) }
```

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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