

Converting Colors

CIELCh(39, 88.725, 298.460)

Have a look what the booklet for
CIELCh(39, 88.725, 298.460)
contains.

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Color

CIELCh(39, 88.749, 298.477)

Conversions

Conversions Part 1

Format	Color
Hex	2A4ADE
RGB	42, 74, 222
RGB Percent	16%, 29%, 87%
CMY	0.8354, 0.7099, 0.1295
CMYK	0.81, 0.67, 0.00, 0.13
HSL	229°, 73%, 52%
HSV	229°, 81%, 87%
XYZ	16.5820, 10.6589, 70.2738
YIQ	81.3040, -66.5800, 39.2440

Conversions

Conversions Part 2

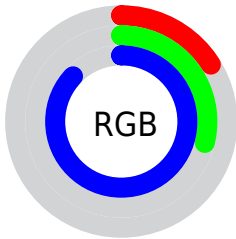
Format	Color
R _Y B	42, 69, 222
Decimal	2771678
CIE Lab	39.00, 42.32, -78.01
CIE LCh	39, 88.749, 298.477
Yxy	10.6589, 0.1700, 0.1093
Android (android.graphics.Color)	4280961758 (0xFF2A4ADE)
YUV	81.3040, 69.3631, -34.4696
Hunter-Lab	32.6480, 33.5266, -104.7660

Details

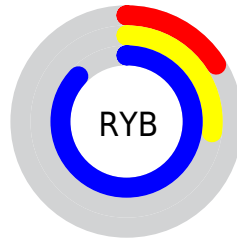
The CIELCh color **39, 88.749, 298.477** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **78, 71.941, 92.082**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 74.741, 297.258**, and **23, 84.976, 302.611** is the 20% darker color. If you saturate the color by 10%, you get **34, 100.118, 301.283**, and if you desaturate by 10%, it is **44, 76.777, 295.564**.

Distribution



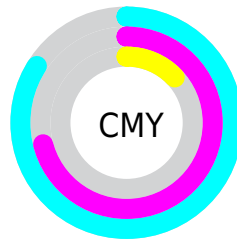
- Red (16%)
- Green (29%)
- Blue (87%)



- Red (16%)
- Yellow (27%)
- Blue (87%)



- Cyan (81%)
- Magenta (67%)
- Yellow (0%)
- Black (13%)



- Cyan (84%)
- Magenta (71%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 88.749, 298.477 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 39, 88.749, 298.477 by changing the saturation by 10% instead.

 39, 88.749,
298.477

 39, 88.749,
298.477

 100, 88.749,
298.477

 29, 88.749,
298.477

 59, 88.749,
298.477

 19, 88.749,
298.477

 69, 88.749,
298.477

 9, 88.749, 298.477

 79, 88.749,
298.477

 0, 88.749, 298.477

 89, 88.749,
298.477

 99, 88.749,
298.477

■ 39, 88.749,
298.477

■ 39, 88.749,
298.477

■ 34, 100.118,
301.283

■ 44, 76.777,
295.564

■ 31, 108.869,
303.407

■ 50, 64.860,
292.772

■ 56, 53.276,
290.236

■ 62, 42.097,
288.008

■ 69, 31.318,
286.085

■ 75, 20.905,
284.440

■ 81, 10.828,
283.041

■ 88, 1.060, 281.971

Harmonies

Complementary

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



39, 88.749, 298.477



78, 71.941, 92.082

Rectangle

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



39, 88.749, 298.477



39, 88.749, 348.477



39, 88.749, 118.477



39, 88.749, 168.477

Sweetspot

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



39, 88.750, 298.478



83, 26.749, 284.921



80, 50.646, 175.526



42, 18.483, 285.510



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



39, 88.750, 298.478



37, 118.613, 302.940



37, 103.498, 308.453



44, 5.578, 282.833



24, 90.398, 303.041



4, 27.770, 291.841

Inverse Universe

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



49, 73.365, 22.277



54, 93.394, 30.690



82, 85.067, 119.327



44, 4.851, 5.762



37, 71.254, 30.863



6, 25.284, 13.415

Previews

White Background



This preview shows how the CIE LCh color 39, 88.749, 298.477 looks on a white background.

Color Contrast Check

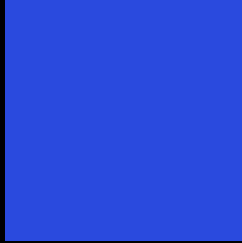
Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 88.749, 298.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

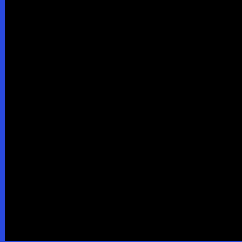
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 88.749, 298.477

Background



This preview shows how black text looks on a background with the CIELCh color 39, 88.749, 298.477.



This preview shows how white text looks on a background with the CIELCh color 39, 88.749, 298.477.

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


39, 88.749, 298.477

Protanopia

39, 59.561, 286.372

Deuteranopia

39, 41.224, 272.385



Tritanopia
38, 24.652, 205.282

Trichromacy



Original Color
39, 88.749, 298.477

Protanomaly
38, 70.023, 291.706

Deuteranomaly
38, 57.818, 286.504

Tritanomaly
37, 37.830, 271.154

Monochromacy



Original Color
39, 88.749, 298.477

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 33.748, 289.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 88.749, 298.477 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(42, 74, 222)` looks like.

```
.text, #text, p{  
    color:rgb(42, 74, 222)  
}
```

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(42, 74, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 74, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 88.749, 298.477 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(42, 74, 222) }
```

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

```
.border{ border-color:rgb(42, 74, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 74, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 74, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 74, 222);  
box-shadow:4px 4px 4px 4px rgb(42, 74,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 88.749, 298.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 74, 222) }
```

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

```
.background{ background-color: rgb(42, 74,  
222) }
```

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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