

Converting Colors

CIELCh(69, 48.009, 272.203)

Have a look what the booklet for
CIELCh(69, 48.009, 272.203)
contains.

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Color

CIELCh(69, 47.978, 272.021)

Conversions

Conversions Part 1

Format	Color
Hex	63ACFF
RGB	99, 172, 255
RGB Percent	39%, 67%, 100%
CMY	0.6120, 0.3257, 0.0003
CMYK	0.61, 0.33, 0.00, 0.00
HSL	212°, 100%, 69%
HSV	212°, 61%, 100%
XYZ	37.9162, 39.3444, 100.1447
YIQ	159.6350, -70.1510, 10.3370

Conversions

Conversions Part 2

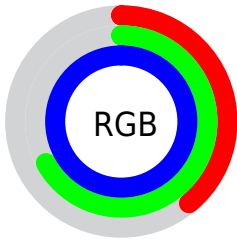
Format	Color
RYB	99, 149, 255
Decimal	6532351
CIELab	69.00, 1.69, -47.95
CIELCh	69, 47.978, 272.021
Yxy	39.3444, 0.2137, 0.2218
Android (android.graphics.Color)	4284722431 (0xFF63ACFF)
YUV	159.6350, 47.0149, -53.1769
Hunter-Lab	62.7251, -1.8690, -50.7528

Details

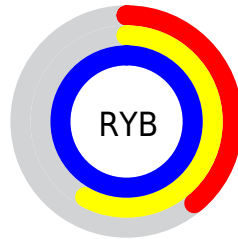
The CIELCh color **69, 47.978, 272.021** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **79, 55.115, 70.649**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 24.529, 235.319**, and **49, 48.160, 272.226** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.639, 275.661**, and if you desaturate by 10%, it is **74, 40.310, 268.861**.

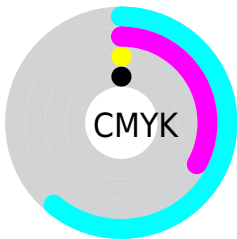
Distribution



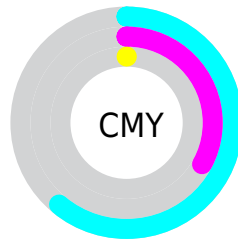
- Red (39%)
- Green (67%)
- Blue (100%)



- Red (39%)
- Yellow (58%)
- Blue (100%)



- Cyan (61%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 47.978, 272.021 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 69, 47.978, 272.021 by changing the saturation by 10% instead.

■ 69, 47.978,
272.021

■ 69, 47.978,
272.021

■ 100, 47.978,
272.021

■ 59, 47.978,
272.021

■ 89, 47.978,
272.021

■ 49, 47.978,
272.021

■ 99, 47.978,
272.021

■ 39, 47.978,
272.021

■ 29, 47.978,
272.021

■ 19, 47.978,
272.021

■ 9, 47.978, 272.021

■ 0, 47.978, 272.021

■ 69, 47.978,
272.021

■ 69, 47.978,
272.021

■ 64, 55.639,
275.661

■ 74, 40.310,
268.861

■ 60, 63.386,
279.733

■ 79, 32.584,
266.164

■ 56, 71.316,
284.105

■ 84, 24.776,
263.887

■ 52, 78.512,
287.968

■ 89, 16.891,
261.972

■ 94, 8.945, 260.371

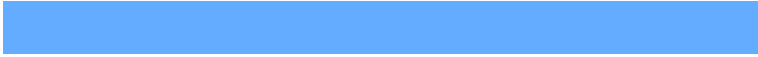
■ 99, 0.963, 259.378

■ 100, 0.023,
106.867

Harmonies

Complementary

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



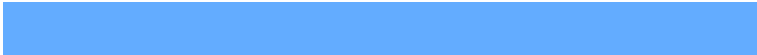
69, 47.978, 272.021



79, 55.115, 70.649

Rectangle

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



69, 47.978, 272.021



69, 47.978, 322.021



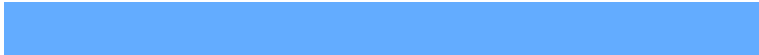
69, 47.978, 92.021



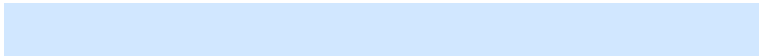
69, 47.978, 142.021

Sweetspot

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



69, 47.977, 272.022



91, 14.362, 261.428



91, 62.778, 157.448



47, 9.972, 261.922



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 47.977, 272.022



64, 57.042, 276.368



51, 89.727, 300.337



50, 4.547, 260.131



40, 62.125, 287.167



11, 25.143, 280.872

Inverse Universe

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



64, 66.312, 353.177



60, 75.371, 355.969



97, 74.453, 105.312



50, 6.249, 346.191



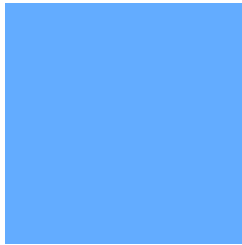
41, 68.023, 5.190



10, 31.604, 359.101

Previews

White Background



This preview shows how the CIELCh color 69, 47.978, 272.021 looks on a white background.

Color Contrast Check

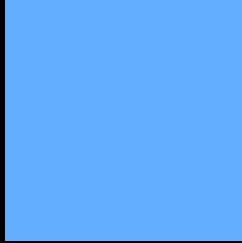
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 47.978, 272.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

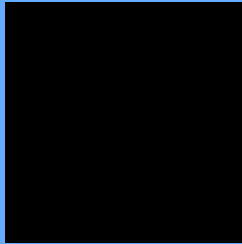
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

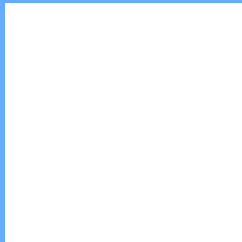
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 47.978, 272.021

Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.978, 272.021.



This preview shows how white text looks on a background with the CIELCh color 69, 47.978, 272.021.

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





Tritanopia
69, 31.568, 212.449

Trichromacy



Original Color
69, 47.978, 272.021

Protanomaly
69, 46.484, 279.583

Deuteranomaly
69, 48.435, 277.915

Tritanomaly
69, 33.066, 239.982

Monochromacy



Original Color
69, 47.978, 272.021

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 18.935, 264.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 47.978, 272.021 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, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 172, 255)  
}
```

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, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 172, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 47.978, 272.021 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, 172, 255) }
```

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

```
.border{ border-color:rgb(99, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 172,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 47.978, 272.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 172, 255) }
```

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

```
.background{ background-color: rgb(99, 172,  
255) }
```

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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