

Converting Colors

CIELCh(64, 47.167, 271.167)

Have a look what the booklet for
CIELCh(64, 47.167, 271.167)
contains.

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Color

CIELCh(64, 47.167, 271.167)

Conversions

Conversions Part 1

Format	Color
Hex	529FEF
RGB	82, 159, 239
RGB Percent	32%, 62%, 94%
CMY	0.6786, 0.3766, 0.0629
CMYK	0.66, 0.33, 0.00, 0.06
HSL	211°, 83%, 63%
HSV	211°, 66%, 94%
XYZ	31.4383, 32.8017, 86.2992
YIQ	145.0970, -71.5720, 8.5560

Conversions

Conversions Part 2

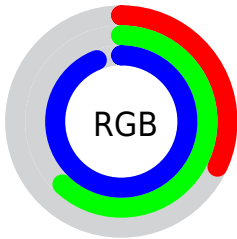
Format	Color
R _Y B	82, 134, 239
Decimal	5414895
CIE Lab	64.00, 0.96, -47.16
CIE LCh	64, 47.167, 271.167
Yxy	32.8017, 0.2088, 0.2179
Android (android.graphics.Color)	4283604975 (0xFF529FEF)
YUV	145.0970, 46.2942, -55.3361
Hunter-Lab	57.2727, -2.2447, -49.2479

Details

The CIELCh color **64, 47.167, 271.167** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **73, 56.239, 67.906**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 29.257, 248.423**, and **44, 46.822, 273.647** is the 20% darker color. If you saturate the color by 10%, you get **60, 54.030, 275.043**, and if you desaturate by 10%, it is **68, 40.277, 267.781**.

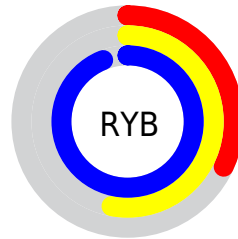
Distribution



Red (32%)

Green (62%)

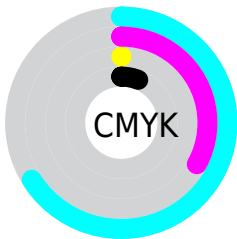
Blue (94%)



Red (32%)

Yellow (53%)

Blue (94%)

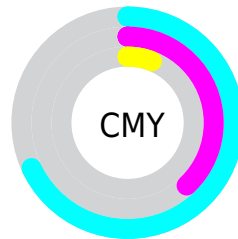


Cyan (66%)

Magenta (33%)

Yellow (0%)

Black (6%)



Cyan (68%)


Magenta (38%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 47.167, 271.167 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 64, 47.167, 271.167 by changing the saturation by 10% instead.


 64, 47.167,
271.167


 64, 47.167,
271.167


 100, 47.167,
271.167


 54, 47.167,
271.167


 84, 47.167,
271.167

 44, 47.167,
271.167

 94, 47.167,
271.167

 34, 47.167,
271.167

 24, 47.167,
271.167

 14, 47.167,
271.167

 4, 47.167, 271.167

 0, 47.167, 271.167

■ 64, 47.167,
271.167

■ 64, 47.167,
271.167

■ 60, 54.030,
275.043

■ 68, 40.277,
267.781

■ 56, 60.969,
279.334

■ 73, 33.297,
264.884

■ 52, 68.087,
283.873

■ 77, 26.196,
262.436

■ 51, 71.234,
285.770

■ 82, 18.976,
260.382

■ 87, 11.653,
258.665

■ 92, 4.253, 257.267

■ 97, 3.196, 75.805

■ 100, 8.123,
109.560

Harmonies

Complementary

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



64, 47.167, 271.167



73, 56.239, 67.906

Rectangle

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



64, 47.167, 271.167



64, 47.167, 321.167



64, 47.167, 91.167



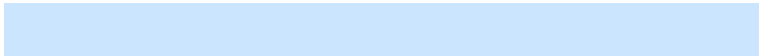
64, 47.167, 141.167

Sweetspot

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



64, 47.166, 271.168



90, 15.610, 259.377



85, 64.145, 155.857



47, 10.635, 259.867



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 47.166, 271.168



62, 59.344, 276.535



44, 91.987, 300.989



48, 4.239, 257.751



39, 57.486, 284.970



10, 21.740, 277.344

Inverse Universe

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



59, 67.178, 352.535



58, 79.341, 355.953



92, 74.838, 104.180



47, 6.028, 344.925



39, 66.128, 2.885



8, 29.359, 356.298

Previews

White Background



This preview shows how the CIE LCh color 64, 47.167, 271.167 looks on a white background.

Color Contrast Check

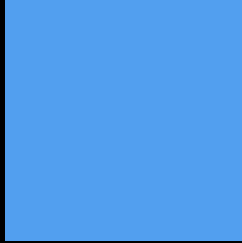
Large Text (above 18pt) WCAG AA × Fail

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 64, 47.167, 271.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

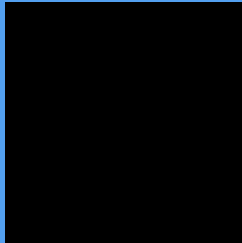
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

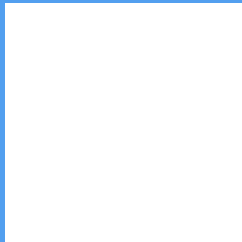
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 47.167, 271.167

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.167, 271.167.

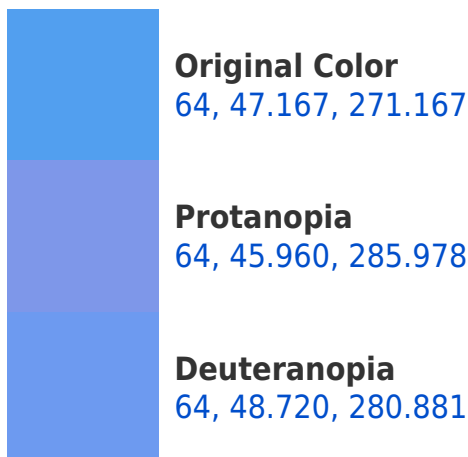


This preview shows how white text looks on a background with the CIELCh color 64, 47.167, 271.167.

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
64, 32.374, 211.062

Trichromacy



Original Color
64, 47.167, 271.167

Protanomaly
64, 46.060, 279.820

Deuteranomaly
64, 48.169, 277.193

Tritanomaly
64, 33.237, 237.767

Monochromacy



Original Color
64, 47.167, 271.167

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 18.513, 261.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.167, 271.167 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(82, 159, 239)` looks like.

```
.text, #text, p{  
    color:rgb(82, 159, 239)  
}
```

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(82, 159, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 159, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.167, 271.167 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(82, 159, 239) }
```

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

```
.border{ border-color:rgb(82, 159, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 159, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 159, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 159, 239);  
box-shadow:4px 4px 4px 4px rgb(82, 159,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.167, 271.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 159, 239) }
```

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

```
.background{ background-color: rgb(82, 159,  
239) }
```

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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