

Converting Colors

CIELCh(67, 46.631, 268.315)

Have a look what the booklet for
CIELCh(67, 46.631, 268.315)
contains.

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Color

CIELCh(67, 46.873, 268.549)

Conversions

Conversions Part 1

Format	Color
Hex	54A8F7
RGB	84, 168, 247
RGB Percent	33%, 66%, 97%
CMY	0.6703, 0.3410, 0.0311
CMYK	0.66, 0.32, 0.00, 0.03
HSL	209°, 91%, 65%
HSV	209°, 66%, 97%
XYZ	34.4722, 36.6320, 93.2967
YIQ	151.8900, -75.4230, 6.7610

Conversions

Conversions Part 2

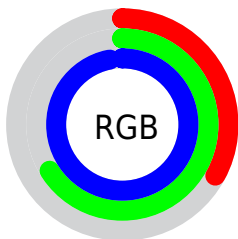
Format	Color
R _Y B	84, 139, 247
Decimal	5548279
CIE Lab	67.00, -1.19, -46.86
CIE LCh	67, 46.873, 268.549
Yxy	36.6320, 0.2097, 0.2228
Android (android.graphics.Color)	4283738359 (0xFF54A8F7)
YUV	151.8900, 46.8892, -59.5395
Hunter-Lab	60.5244, -4.2513, -49.0269

Details

The CIELCh color **67, 46.873, 268.549** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **74, 57.931, 65.519**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 27.428, 236.381**, and **47, 46.308, 270.975** is the 20% darker color. If you saturate the color by 10%, you get **63, 53.446, 272.502**, and if you desaturate by 10%, it is **71, 40.212, 265.114**.

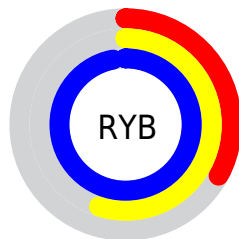
Distribution



Red (33%)

Green (66%)

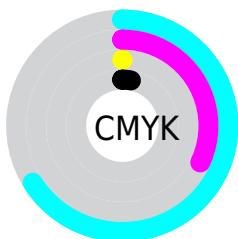
Blue (97%)



Red (33%)

Yellow (55%)

Blue (97%)

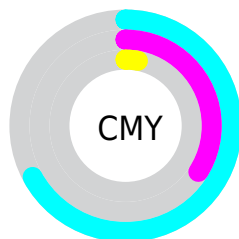


Cyan (66%)

Magenta (32%)

Yellow (0%)

Black (3%)



Cyan (67%)

Magenta (34%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 46.873, 268.549 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 67, 46.873, 268.549 by changing the saturation by 10% instead.

■ 67, 46.873,
268.549

■ 67, 46.873,
268.549

■ 100, 46.873,
268.549

■ 57, 46.873,
268.549

■ 87, 46.873,
268.549

■ 47, 46.873,
268.549

■ 97, 46.873,
268.549

■ 37, 46.873,
268.549

■ 27, 46.873,
268.549

■ 17, 46.873,
268.549

■ 7, 46.873, 268.549

■ 0, 46.873, 268.549

67, 46.873,
268.549

67, 46.873,
268.549

63, 53.446,
272.502

71, 40.212,
265.114

59, 60.043,
276.902

76, 33.397,
262.191

55, 66.794,
281.581

80, 26.403,
259.734

54, 69.599,
283.425

85, 19.235,
257.683

90, 11.919,
255.976

94, 4.486, 254.595

99, 2.668, 85.619

100, 4.016,
109.859

Harmonies

Complementary

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



67, 46.873, 268.549



74, 57.931, 65.519

Rectangle

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



67, 46.873, 268.549



67, 46.873, 318.549



67, 46.873, 88.549



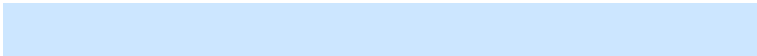
67, 46.873, 138.549

Sweetspot

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



67, 46.872, 268.550



90, 15.270, 256.631



88, 67.112, 154.950



47, 10.395, 257.116



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 46.872, 268.550



64, 56.871, 273.851



46, 93.303, 300.553



49, 4.229, 255.037



41, 55.314, 282.555



11, 21.576, 275.134

Inverse Universe

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



61, 69.948, 350.928



58, 80.044, 354.053



94, 76.094, 103.329



48, 6.236, 343.582



40, 67.083, 0.580



9, 30.406, 354.720

Previews

White Background



This preview shows how the CIELCh color 67, 46.873, 268.549 looks on a white background.

Color Contrast Check

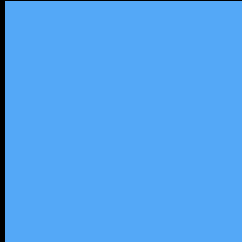
Large Text (above 18pt) WCAG AA × Fail

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 67, 46.873, 268.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

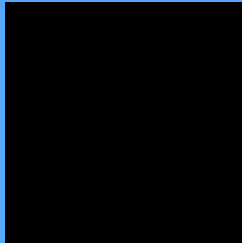
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

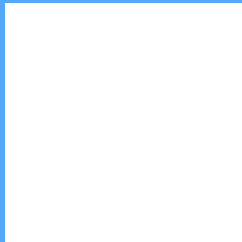
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 46.873, 268.549

Background



This preview shows how black text looks on a background with the CIELCh color 67, 46.873, 268.549.



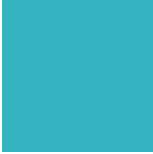
This preview shows how white text looks on a background with the CIELCh color 67, 46.873, 268.549.

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
67, 33.650, 210.372

Trichromacy



Original Color
67, 46.873, 268.549

Protanomaly
67, 45.811, 278.785

Deuteranomaly
67, 47.894, 276.390

Tritanomaly
67, 34.196, 235.947

Monochromacy



Original Color
67, 46.873, 268.549

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 18.836, 258.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 46.873, 268.549 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(84, 168, 247)` looks like.

```
.text, #text, p{  
    color:rgb(84, 168, 247)  
}
```

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(84, 168, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 168, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 46.873, 268.549 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(84, 168, 247) }
```

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

```
.border{ border-color:rgb(84, 168, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 168, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 168, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 168, 247);  
box-shadow:4px 4px 4px 4px rgb(84, 168,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 46.873, 268.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 168, 247) }
```

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

```
.background{ background-color: rgb(84, 168,  
247) }
```

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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