

Converting Colors

CIELCh(66, 49.099, 276.373)

Have a look what the booklet for
CIELCh(66, 49.099, 276.373)
contains.

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Color

CIELCh(66, 49.139, 276.445)

Conversions

Conversions Part 1

Format	Color
Hex	65A2F8
RGB	101, 162, 248
RGB Percent	40%, 64%, 97%
CMY	0.6045, 0.3652, 0.0280
CMYK	0.59, 0.35, 0.00, 0.03
HSL	215°, 91%, 68%
HSV	215°, 59%, 97%
XYZ	35.1707, 35.3238, 93.6601
YIQ	153.5650, -63.9620, 13.8140

Conversions

Conversions Part 2

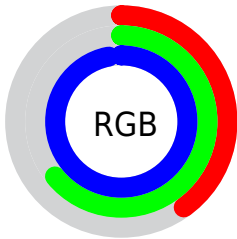
Format	Color
RYB	101, 144, 248
Decimal	6660856
CIELab	66.00, 5.52, -48.83
CIELCh	66, 49.139, 276.445
Yxy	35.3238, 0.2143, 0.2152
Android (android.graphics.Color)	4284850936 (0xFF65A2F8)
YUV	153.5650, 46.5565, -46.0995
Hunter-Lab	59.4338, 1.6204, -51.8298

Details

The CIELCh color **66, 49.139, 276.445** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **80, 52.996, 75.877**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 25.617, 250.511**, and **46, 49.032, 276.321** is the 20% darker color. If you saturate the color by 10%, you get **61, 57.613, 279.868**, and if you desaturate by 10%, it is **71, 40.768, 273.458**.

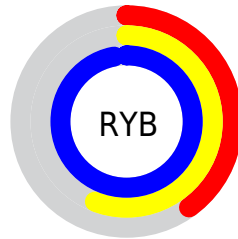
Distribution



Red (40%)

Green (64%)

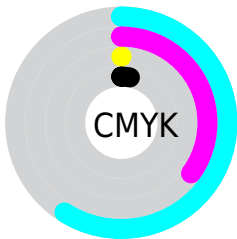
Blue (97%)



Red (40%)

Yellow (56%)

Blue (97%)

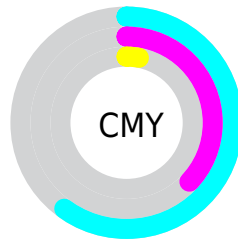


Cyan (59%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (60%)

Magenta (37%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 49.139, 276.445 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 66, 49.139, 276.445 by changing the saturation by 10% instead.

■ 66, 49.139,
276.445

■ 66, 49.139,
276.445

■ 100, 49.139,
276.445

■ 56, 49.139,
276.445

■ 86, 49.139,
276.445

■ 46, 49.139,
276.445

■ 96, 49.139,
276.445

■ 36, 49.139,
276.445

■ 26, 49.139,
276.445

■ 16, 49.139,
276.445

■ 6, 49.139, 276.445

■ 0, 49.139, 276.445

66, 49.139,
276.445

66, 49.139,
276.445

61, 57.613,
279.868

71, 40.768,
273.458

56, 66.261,
283.680

76, 32.451,
270.895

52, 75.137,
287.756

82, 24.161,
268.716

48, 84.226,
291.843

87, 15.891,
266.872

48, 84.862,
292.108

92, 7.648, 265.322

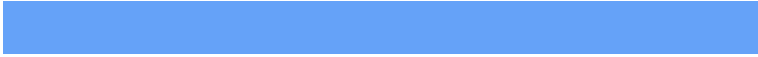
98, 0.556, 83.296

100, 3.608,
109.887

Harmonies

Complementary

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



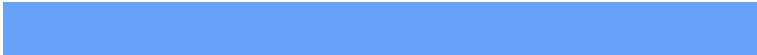
66, 49.139, 276.445



80, 52.996, 75.877

Rectangle

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



66, 49.139, 276.445



66, 49.139, 326.445



66, 49.139, 96.445



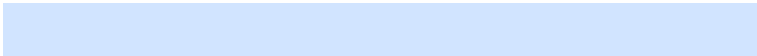
66, 49.139, 146.445

Sweetspot

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



66, 49.138, 276.446



90, 15.156, 266.657



89, 56.265, 161.493



46, 10.537, 267.152



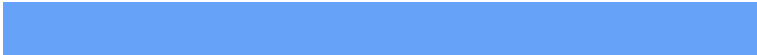
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 49.138, 276.446



62, 60.439, 280.527



51, 84.574, 301.302



49, 4.702, 265.349



36, 67.920, 291.395



9, 26.688, 285.227

Inverse Universe

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



63, 61.906, 356.452



60, 72.881, 359.430



94, 71.097, 108.693



49, 5.944, 349.306



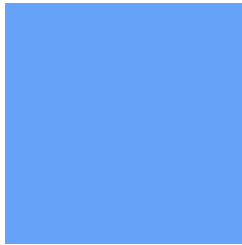
40, 67.483, 10.289



10, 30.525, 3.143

Previews

White Background



This preview shows how the CIE LCh color 66, 49.139, 276.445 looks on a white background.

Color Contrast Check

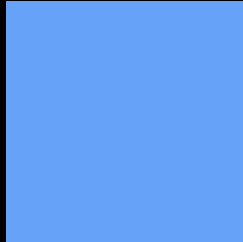
Large Text (above 18pt) WCAG AA × Fail

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 66, 49.139, 276.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

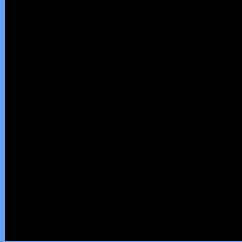
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

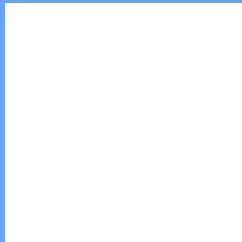
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 49.139, 276.445

Background



This preview shows how black text looks on a background with the CIELCh color 66, 49.139, 276.445.



This preview shows how white text looks on a background with the CIELCh color 66, 49.139, 276.445.

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

66, 49.139, 276.445

Protanopia

66, 47.905, 285.520

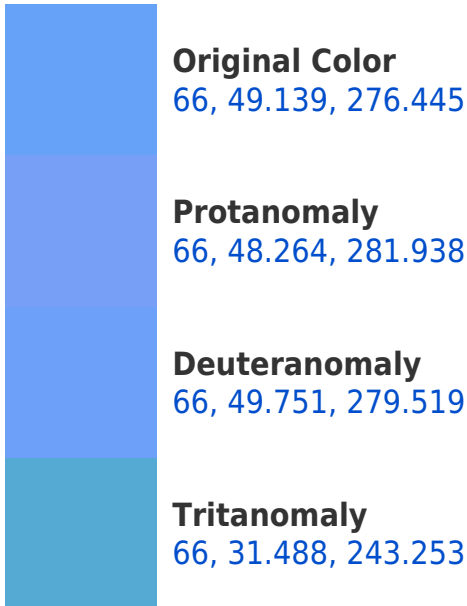
Deuteranopia

66, 50.091, 281.075

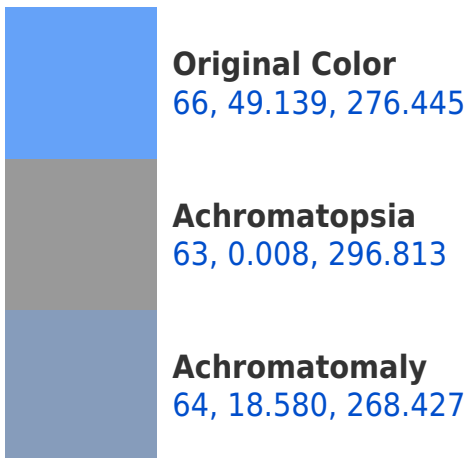


Tritanopia
66, 29.209, 212.812

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 49.139, 276.445 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(101, 162, 248)` looks like.

```
.text, #text, p{  
    color:rgb(101, 162, 248)  
}
```

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(101, 162, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 162, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 49.139, 276.445 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(101, 162, 248) }
```

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

```
.border{ border-color:rgb(101, 162, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 162, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 162, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 162, 248); box-shadow:4px 4px 4px 4px rgb(101, 162, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 49.139, 276.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 162, 248) }
```

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

```
.background{ background-color: rgb(101,  
162, 248) }
```

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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