

Converting Colors

CIELCh(67, 51.726, 277.682)

Have a look what the booklet for
CIELCh(67, 51.726, 277.682)
contains.

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Color

CIELCh(67, 51.626, 277.568)

Conversions

Conversions Part 1

Format	Color
Hex	66A4FF
RGB	102, 164, 255
RGB Percent	40%, 64%, 100%
CMY	0.5996, 0.3566, 0.0000
CMYK	0.60, 0.36, 0.00, 0.00
HSL	216°, 100%, 70%
HSV	216°, 60%, 100%
XYZ	36.8407, 36.6320, 99.8051
YIQ	155.8360, -66.1630, 15.1570

Conversions

Conversions Part 2

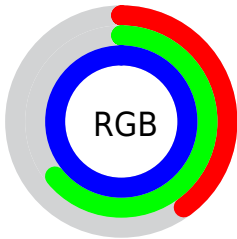
Format	Color
R _Y B	102, 146, 255
Decimal	6726911
CIE Lab	67.00, 6.80, -51.18
CIE LCh	67, 51.626, 277.568
Yxy	36.6320, 0.2126, 0.2114
Android (android.graphics.Color)	4284916991 (0xFF66A4FF)
YUV	155.8360, 48.8879, -47.2142
Hunter-Lab	60.5244, 2.7340, -55.4026

Details

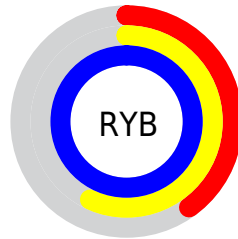
The CIELCh color **67, 51.626, 277.568** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **82, 55.074, 76.649**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 25.050, 248.151**, and **47, 51.651, 277.513** is the 20% darker color. If you saturate the color by 10%, you get **62, 60.458, 280.980**, and if you desaturate by 10%, it is **72, 42.843, 274.539**.

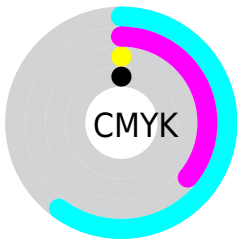
Distribution



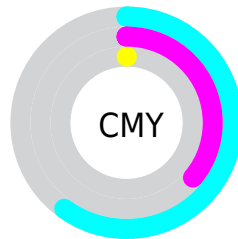
- Red (40%)
- Green (64%)
- Blue (100%)



- Red (40%)
- Yellow (57%)
- Blue (100%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (36%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.626, 277.568 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, 51.626, 277.568 by changing the saturation by 10% instead.


 67, 51.626,
277.568


 67, 51.626,
277.568


 100, 51.626,
277.568

 57, 51.626,
277.568

 87, 51.626,
277.568

 47, 51.626,
277.568

 97, 51.626,
277.568

 37, 51.626,
277.568

 27, 51.626,
277.568

 17, 51.626,
277.568

 7, 51.626, 277.568

 0, 51.626, 277.568

■ 67, 51.626,
277.568

■ 67, 51.626,
277.568

■ 62, 60.458,
280.980

■ 72, 42.843,
274.539

■ 57, 69.533,
284.789

■ 78, 34.181,
271.954

■ 52, 78.848,
288.836

■ 83, 25.568,
269.754

■ 48, 88.361,
292.850

■ 89, 16.993,
267.890

■ 48, 88.396,
292.863

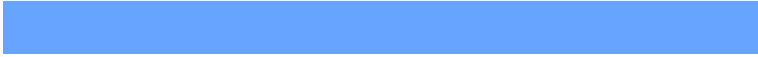
■ 94, 8.460, 266.320

100, 0.012,
296.813

Harmonies

Complementary

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



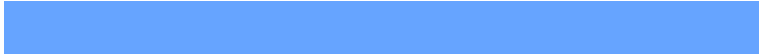
67, 51.626, 277.568



82, 55.074, 76.649

Rectangle

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



67, 51.626, 277.568



67, 51.626, 327.568



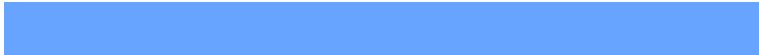
67, 51.626, 97.568



67, 51.626, 147.568

Sweetspot

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



67, 51.584, 277.545



90, 15.314, 267.559



91, 58.081, 161.373



46, 10.650, 268.053



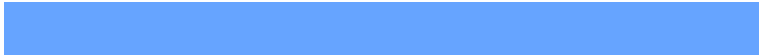
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 51.584, 277.545



61, 62.288, 281.728



52, 87.590, 301.436



50, 4.827, 266.255



36, 69.894, 292.140



10, 28.089, 286.375

Inverse Universe

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



65, 63.723, 357.314



60, 73.415, 0.479



97, 73.409, 108.648



50, 6.007, 349.904



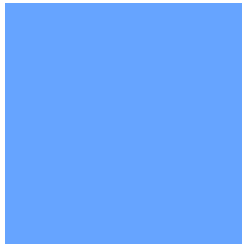
41, 68.263, 11.289



10, 31.312, 4.335

Previews

White Background



This preview shows how the CIELCh color 67, 51.626, 277.568 looks on a white background.

Color Contrast Check

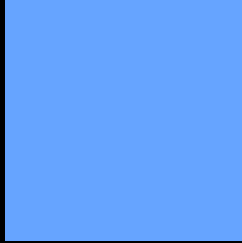
Large Text (above 18pt) WCAG AA × Fail

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, 51.626, 277.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

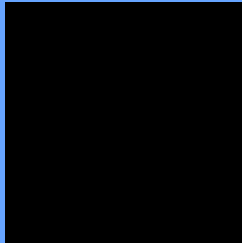
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

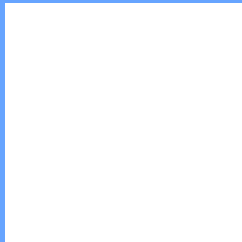
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 51.626, 277.568

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.626, 277.568.



This preview shows how white text looks on a background with the CIELCh color 67, 51.626, 277.568.

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](#).

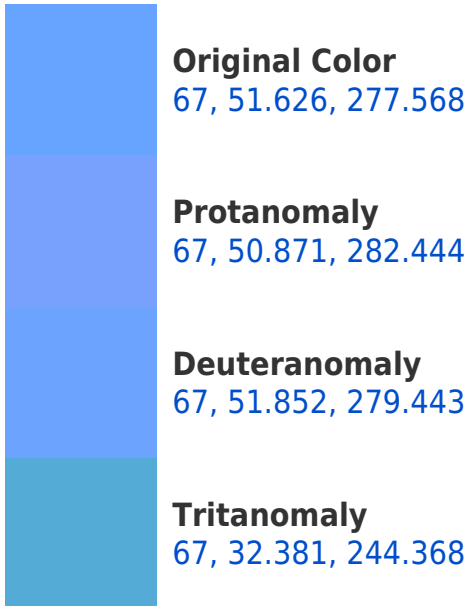
Dichromacy



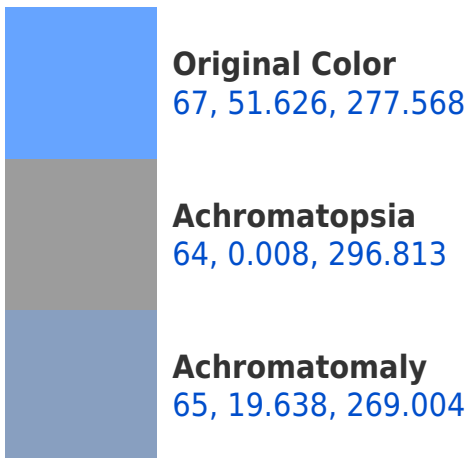


Tritanopia
67, 30.005, 212.306

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.626, 277.568 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(102, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 164, 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(102, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 164, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.626, 277.568 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(102, 164, 255) }
```

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

```
.border{ border-color:rgb(102, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 164,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.626, 277.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 164, 255) }
```

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

```
.background{ background-color: rgb(102,  
164, 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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