

Converting Colors

CIELCh(67, 52.268, 277.510)

Have a look what the booklet for
CIELCh(67, 52.268, 277.510)
contains.

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Color

CIELCh(67, 51.722, 277.147)

Conversions

Conversions Part 1

Format	Color
Hex	64A4FF
RGB	100, 164, 255
RGB Percent	39%, 64%, 100%
CMY	0.6064, 0.3557, 0.0000
CMYK	0.61, 0.36, 0.00, 0.00
HSL	215°, 100%, 70%
HSV	215°, 61%, 100%
XYZ	36.7304, 36.6320, 100.0269
YIQ	155.2380, -67.3550, 14.7330

Conversions

Conversions Part 2

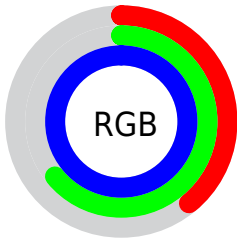
Format	Color
R _Y B	100, 145, 255
Decimal	6595839
CIE Lab	67.00, 6.44, -51.32
CIE LCh	67, 51.722, 277.147
Yxy	36.6320, 0.2118, 0.2113
Android (android.graphics.Color)	4284785919 (0xFF64A4FF)
YUV	155.2380, 49.1827, -48.4437
Hunter-Lab	60.5244, 2.4086, -55.6199

Details

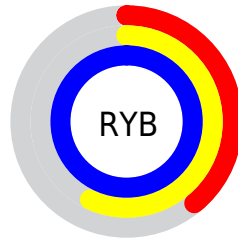
The CIELCh color **67, 51.722, 277.147** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **82, 55.536, 75.808**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 25.229, 247.670**, and **47, 51.740, 277.140** is the 20% darker color. If you saturate the color by 10%, you get **62, 60.276, 280.533**, and if you desaturate by 10%, it is **72, 42.947, 273.998**.

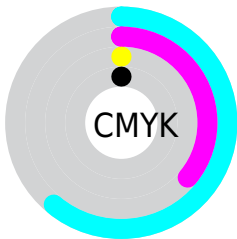
Distribution



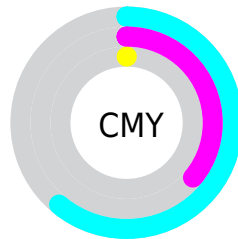
- Red (39%)
- Green (64%)
- Blue (100%)



- Red (39%)
- Yellow (57%)
- Blue (100%)



- Cyan (61%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (36%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 51.722, 277.147 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, 51.722, 277.147 by changing the saturation by 10% instead.


 67, 51.722,
277.147


 67, 51.722,
277.147


 100, 51.722,
277.147


 57, 51.722,
277.147


 87, 51.722,
277.147

 47, 51.722,
277.147

 97, 51.722,
277.147

 37, 51.722,
277.147

 27, 51.722,
277.147

 17, 51.722,
277.147

 7, 51.722, 277.147

 0, 51.722, 277.147

67, 51.722,
277.147

67, 51.722,
277.147

62, 60.276,
280.533

72, 42.947,
273.998

57, 69.192,
284.393

78, 34.406,
271.376

53, 78.344,
288.489

83, 25.899,
269.145

49, 87.103,
292.287

89, 17.415,
267.255

94, 8.960, 265.665

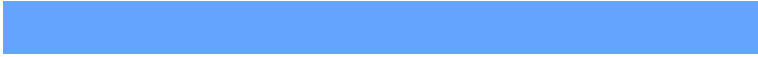
100, 0.545,
264.913

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.



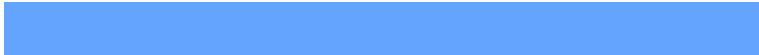
67, 51.722, 277.147



82, 55.536, 75.808

Rectangle

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



67, 51.722, 277.147



67, 51.722, 327.147



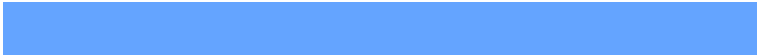
67, 51.722, 97.147



67, 51.722, 147.147

Sweetspot

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



67, 51.551, 277.049



90, 15.182, 266.808



91, 58.613, 161.264



46, 10.555, 267.303



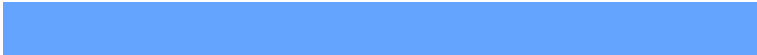
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 51.551, 277.049



61, 62.363, 281.414



52, 88.656, 301.558



50, 4.788, 265.503



37, 68.873, 291.554



10, 27.696, 285.720

Inverse Universe

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



64, 64.500, 356.884



59, 74.227, 0.150



97, 74.097, 108.607



50, 6.037, 349.406



41, 68.181, 10.499



10, 31.332, 3.648

Previews

White Background



This preview shows how the CIELCh color 67, 51.722, 277.147 looks on a white background.

Color Contrast Check

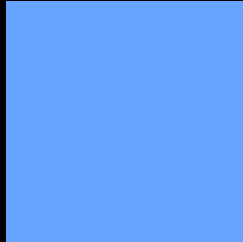
Large Text (above 18pt) WCAG AA × Fail

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, 51.722, 277.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

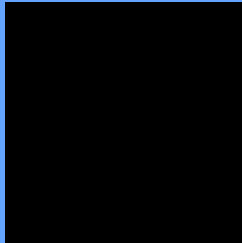
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

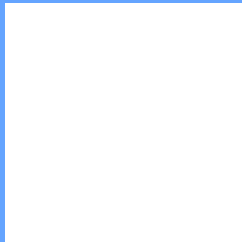
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 51.722, 277.147

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.722, 277.147.



This preview shows how white text looks on a background with the CIELCh color 67, 51.722, 277.147.

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

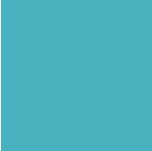
67, 51.722, 277.147

Protanopia

67, 50.536, 285.756

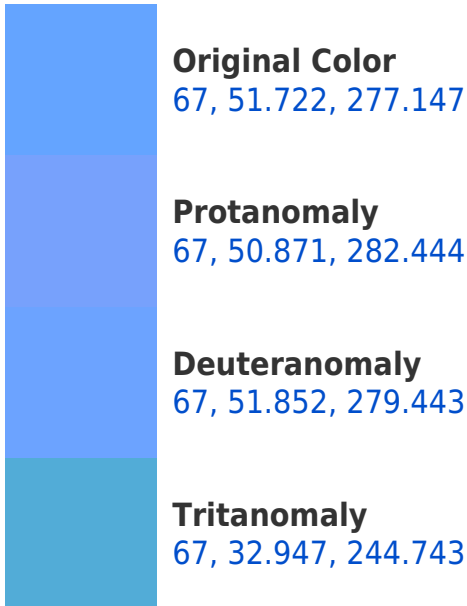
Deuteranopia

67, 52.195, 280.900

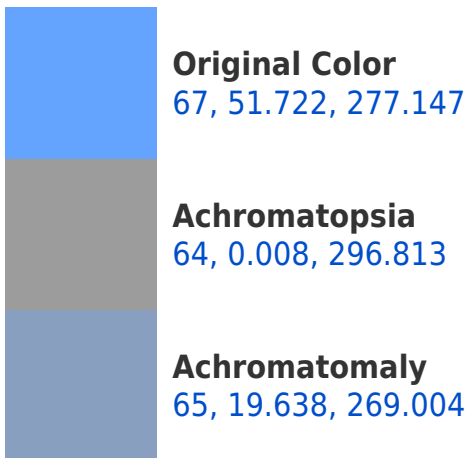


Tritanopia
67, 30.540, 213.105

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.722, 277.147 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(100, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 164, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.722, 277.147 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(100, 164, 255) }
```

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

```
.border{ border-color:rgb(100, 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(100, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 164,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.722, 277.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 164, 255) }
```

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

```
.background{ background-color: rgb(100,  
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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