

Converting Colors

CIELCh(66, 47.488, 267.818)

Have a look what the booklet for
CIELCh(66, 47.488, 267.818)
contains.

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Color

CIELCh(66, 47.274, 267.651)

Conversions

Conversions Part 1

Format	Color
Hex	4CA6F5
RGB	76, 166, 245
RGB Percent	30%, 65%, 96%
CMY	0.7028, 0.3496, 0.0399
CMYK	0.69, 0.32, 0.00, 0.04
HSL	208°, 89%, 63%
HSV	208°, 69%, 96%
XYZ	33.0251, 35.3238, 91.3249
YIQ	148.0960, -78.9990, 5.4890

Conversions

Conversions Part 2

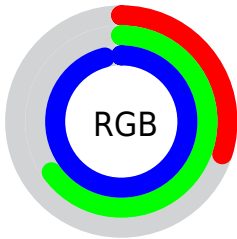
Format	Color
R _{YB}	76, 135, 245
Decimal	5023477
CIE Lab	66.00, -1.94, -47.23
CIE LCh	66, 47.274, 267.651
Yxy	35.3238, 0.2068, 0.2212
Android (android.graphics.Color)	4283213557 (0xFF4CA6F5)
YUV	148.0960, 47.7737, -63.2282
Hunter-Lab	59.4338, -4.8237, -49.5001

Details

The CIELCh color **66, 47.274, 267.651** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **72, 60.468, 63.480**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.726, 237.099**, and **47, 45.810, 270.766** is the 20% darker color. If you saturate the color by 10%, you get **62, 53.450, 271.784**, and if you desaturate by 10%, it is **70, 40.993, 264.046**.

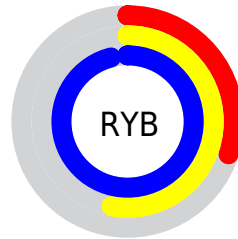
Distribution



Red (30%)

Green (65%)

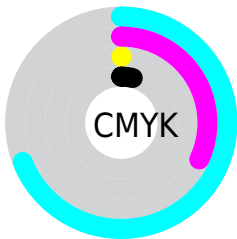
Blue (96%)



Red (30%)

Yellow (53%)

Blue (96%)

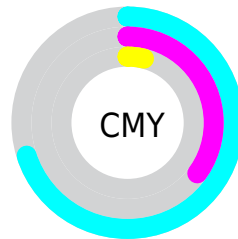


Cyan (69%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (70%)


Magenta (35%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 47.274, 267.651 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, 47.274, 267.651 by changing the saturation by 10% instead.


 66, 47.274,
267.651


 66, 47.274,
267.651


 100, 47.274,
267.651


 56, 47.274,
267.651


 86, 47.274,
267.651

 46, 47.274,
267.651

 96, 47.274,
267.651

 36, 47.274,
267.651

 26, 47.274,
267.651

 16, 47.274,
267.651

 6, 47.274, 267.651

 0, 47.274, 267.651

66, 47.274,
267.651

66, 47.274,
267.651

62, 53.450,
271.784

70, 40.993,
264.046

58, 59.648,
276.353

74, 34.530,
260.974

55, 66.020,
281.120

79, 27.851,
258.395

55, 66.648,
281.556

83, 20.959,
256.247

88, 13.879,
254.464

92, 6.647, 253.002

97, 0.699, 71.021

100, 5.147,
109.778

Harmonies

Complementary

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



66, 47.274, 267.651



72, 60.468, 63.480

Rectangle

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



66, 47.274, 267.651



66, 47.274, 317.651



66, 47.274, 87.651



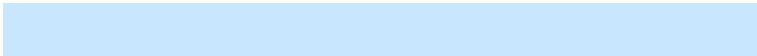
66, 47.274, 137.651

Sweetspot

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



66, 47.273, 267.652



90, 15.789, 254.794



87, 70.147, 153.595



47, 10.658, 255.272



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, 47.273, 267.652



63, 57.757, 273.629



44, 95.565, 300.727



49, 4.175, 253.060



42, 53.384, 280.690



11, 20.920, 273.129

Inverse Universe

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



59, 72.267, 350.377



57, 82.273, 353.845



92, 77.199, 102.246



48, 6.310, 342.660



40, 67.357, 358.947



9, 30.596, 353.390

Previews

White Background



This preview shows how the CIE LCh color 66, 47.274, 267.651 looks on a white background.

Color Contrast Check

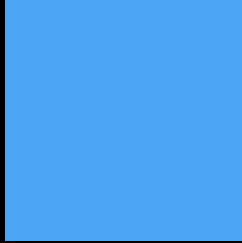
Large Text (above 18pt) WCAG AA × Fail

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, 47.274, 267.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

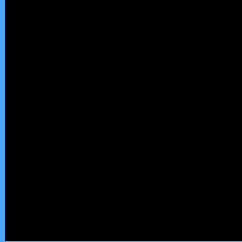
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

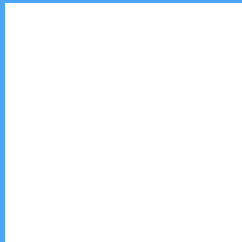
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 47.274, 267.651

Background



This preview shows how black text looks on a background with the CIELCh color 66, 47.274, 267.651.



This preview shows how white text looks on a background with the CIELCh color 66, 47.274, 267.651.

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
66, 34.852, 210.799

Trichromacy



Original Color
66, 47.274, 267.651

Protanomaly
66, 45.486, 278.043

Deuteranomaly
66, 48.624, 276.436

Tritanomaly
66, 35.407, 235.643

Monochromacy



Original Color
66, 47.274, 267.651

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 19.058, 257.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 47.274, 267.651 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(76, 166, 245)` looks like.

```
.text, #text, p{  
    color:rgb(76, 166, 245)  
}
```

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(76, 166, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 166, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 47.274, 267.651 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(76, 166, 245) }
```

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

```
.border{ border-color:rgb(76, 166, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 166, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 166, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 166, 245);  
box-shadow:4px 4px 4px 4px rgb(76, 166,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 47.274, 267.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 166, 245) }
```

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

```
.background{ background-color: rgb(76, 166,  
245) }
```

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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