

Converting Colors

CIELCh(66, 48.570, 271.472)

Have a look what the booklet for
CIELCh(66, 48.570, 271.472)
contains.

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Color

CIELCh(66, 48.570, 271.472)

Conversions

Conversions Part 1

Format	Color
Hex	55A4F7
RGB	85, 164, 247
RGB Percent	33%, 64%, 97%
CMY	0.6653, 0.3558, 0.0303
CMYK	0.65, 0.34, 0.00, 0.03
HSL	211°, 91%, 65%
HSV	211°, 65%, 97%
XYZ	33.9310, 35.3238, 93.2553
YIQ	149.8410, -73.7270, 9.0650

Conversions

Conversions Part 2

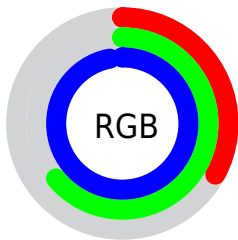
Format	Color
R _Y B	85, 138, 247
Decimal	5612791
CIE Lab	66.00, 1.25, -48.55
CIE LCh	66, 48.570, 271.472
Yxy	35.3238, 0.2088, 0.2174
Android (android.graphics.Color)	4283802871 (0xFF55A4F7)
YUV	149.8410, 47.8994, -56.8656
Hunter-Lab	59.4338, -2.1028, -51.4259

Details

The CIELCh color **66, 48.570, 271.472** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **75, 57.648, 68.217**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 27.607, 242.163**, and **46, 47.807, 273.175** is the 20% darker color. If you saturate the color by 10%, you get **62, 55.688, 275.344**, and if you desaturate by 10%, it is **71, 41.432, 268.088**.

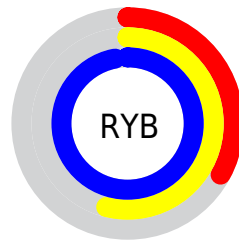
Distribution



Red (33%)

Green (64%)

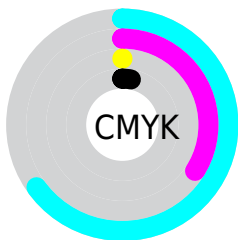
Blue (97%)



Red (33%)

Yellow (54%)

Blue (97%)

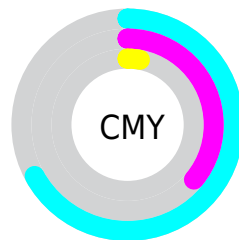


Cyan (65%)

Magenta (34%)

Yellow (0%)

Black (3%)



Cyan (67%)

Magenta (36%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 48.570, 271.472 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, 48.570, 271.472 by changing the saturation by 10% instead.


 66, 48.570,
271.472

 66, 48.570,
271.472


 100, 48.570,
271.472


 56, 48.570,
271.472


 86, 48.570,
271.472

 46, 48.570,
271.472

 96, 48.570,
271.472

 36, 48.570,
271.472

 26, 48.570,
271.472

 16, 48.570,
271.472

 6, 48.570, 271.472

 0, 48.570, 271.472

66, 48.570,
271.472

66, 48.570,
271.472

62, 55.688,
275.344

71, 41.432,
268.088

58, 62.889,
279.630

75, 34.207,
265.193

54, 70.280,
284.159

80, 26.866,
262.747

52, 73.710,
286.155

85, 19.408,
260.693

90, 11.850,
258.976

95, 4.218, 257.580

99, 2.971, 96.221

100, 3.901,
109.867

Harmonies

Complementary

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



66, 48.570, 271.472



75, 57.648, 68.217

Rectangle

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



66, 48.570, 271.472



66, 48.570, 321.472



66, 48.570, 91.472



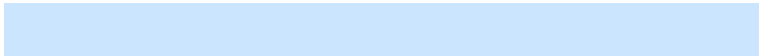
66, 48.570, 141.472

Sweetspot

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



66, 48.569, 271.473



90, 15.656, 259.718



88, 65.754, 155.873



46, 10.667, 260.209



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, 48.569, 271.473



62, 59.667, 276.863



46, 94.258, 300.968



49, 4.324, 258.092



40, 58.502, 285.317



10, 22.674, 278.135

Inverse Universe

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



61, 68.778, 352.733



58, 79.259, 356.198



95, 76.718, 104.187



48, 6.120, 345.102



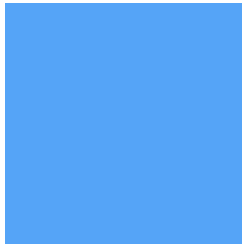
40, 66.780, 3.234



9, 30.144, 356.894

Previews

White Background



This preview shows how the CIELCh color 66, 48.570, 271.472 looks on a white background.

Color Contrast Check

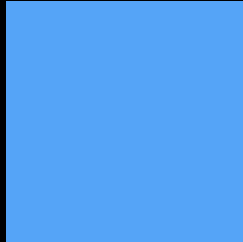
Large Text (above 18pt) WCAG AA × Fail

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, 48.570, 271.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

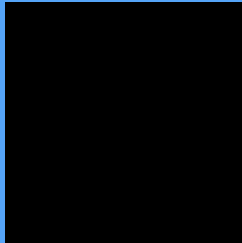
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

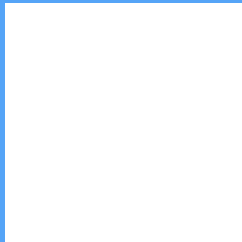
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 48.570, 271.472

Background



This preview shows how black text looks on a background with the CIELCh color 66, 48.570, 271.472.



This preview shows how white text looks on a background with the CIELCh color 66, 48.570, 271.472.

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, 48.570, 271.472

Protanopia

66, 46.801, 285.456

Deuteranopia

66, 50.091, 281.075



Tritanopia
66, 33.103, 210.655

Trichromacy



Original Color
66, 48.570, 271.472

Protanomaly
66, 46.930, 279.460

Deuteranomaly
66, 49.533, 277.507

Tritanomaly
66, 34.000, 237.608

Monochromacy



Original Color
66, 48.570, 271.472

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 19.039, 261.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 48.570, 271.472 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(85, 164, 247)` looks like.

```
.text, #text, p{  
    color:rgb(85, 164, 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(85, 164, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 164, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 48.570, 271.472 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(85, 164, 247) }
```

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

```
.border{ border-color:rgb(85, 164, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 164, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 164, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 164, 247);  
box-shadow:4px 4px 4px 4px rgb(85, 164,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 48.570, 271.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 164, 247) }
```

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

```
.background{ background-color: rgb(85, 164,  
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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