

Converting Colors

CIELCh(64, 48.306, 271.897)

Have a look what the booklet for
CIELCh(64, 48.306, 271.897)
contains.

CIELCh(64, 48.184, 271.750)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 48.184, 271.750)

Conversions

Conversions Part 1

Format	Color
Hex	519FF1
RGB	81, 159, 241
RGB Percent	32%, 62%, 95%
CMY	0.6834, 0.3773, 0.0558
CMYK	0.66, 0.34, 0.00, 0.06
HSL	211°, 85%, 63%
HSV	211°, 66%, 94%
XYZ	31.5778, 32.8017, 87.7116
YIQ	145.0260, -72.8100, 8.9660

Conversions

Conversions Part 2

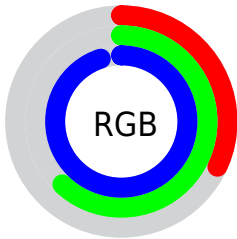
Format	Color
R _Y B	81, 133, 241
Decimal	5349361
CIE Lab	64.00, 1.47, -48.16
CIE LCh	64, 48.184, 271.750
Yxy	32.8017, 0.2076, 0.2157
Android (android.graphics.Color)	4283539441 (0xFF519FF1)
YUV	145.0260, 47.3152, -56.1508
Hunter-Lab	57.2727, -1.8098, -50.7101

Details

The CIELCh color **64, 48.184, 271.750** 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 **73, 57.315, 68.050**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 29.257, 248.423**, and **44, 47.335, 274.095** is the 20% darker color. If you saturate the color by 10%, you get **60, 55.144, 275.658**, and if you desaturate by 10%, it is **68, 41.210, 268.327**.

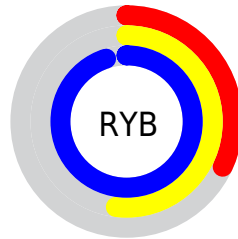
Distribution



Red (32%)

Green (62%)

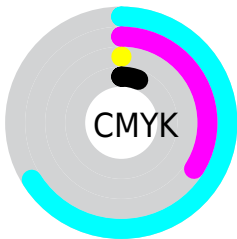
Blue (95%)



Red (32%)

Yellow (52%)

Blue (95%)

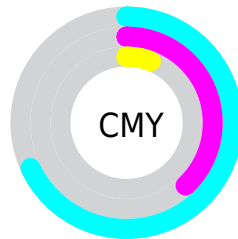


Cyan (66%)

Magenta (34%)

Yellow (0%)

Black (6%)



Cyan (68%)

Magenta (38%)

Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 48.184, 271.750 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 64, 48.184, 271.750 by changing the saturation by 10% instead.

 64, 48.184,
271.750

 64, 48.184,
271.750

 100, 48.184,
271.750


 54, 48.184,
271.750


 84, 48.184,
271.750

 44, 48.184,
271.750

 94, 48.184,
271.750

 34, 48.184,
271.750

 24, 48.184,
271.750

 14, 48.184,
271.750

 4, 48.184, 271.750

 0, 48.184, 271.750

■ 64, 48.184,
271.750

■ 64, 48.184,
271.750

■ 60, 55.144,
275.658

■ 68, 41.210,
268.327

■ 56, 62.195,
279.968

■ 73, 34.156,
265.392

■ 52, 69.438,
284.501

■ 78, 26.988,
262.911

■ 51, 72.071,
286.048

■ 82, 19.703,
260.826

■ 87, 12.319,
259.082

■ 92, 4.859, 257.653

■ 97, 2.649, 76.158

■ 100, 7.199,
109.629

Harmonies

Complementary

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



64, 48.184, 271.750



73, 57.315, 68.050

Rectangle

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



64, 48.184, 271.750



64, 48.184, 321.750



64, 48.184, 91.750



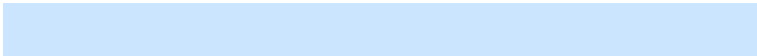
64, 48.184, 141.750

Sweetspot

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



64, 48.183, 271.751



90, 15.650, 259.673



86, 65.135, 155.720



46, 10.663, 260.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 48.183, 271.751



62, 60.361, 277.248



44, 93.706, 301.166



48, 4.249, 258.045



39, 57.800, 285.231



10, 21.845, 277.630

Inverse Universe

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



59, 68.083, 352.897



58, 79.745, 356.467



93, 75.966, 104.126



47, 6.017, 345.077



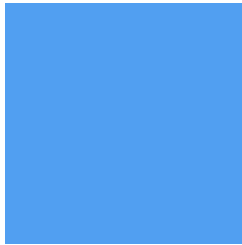
39, 66.106, 3.147



8, 29.336, 356.511

Previews

White Background



This preview shows how the CIE LCh color 64, 48.184, 271.750 looks on a white background.

Color Contrast Check

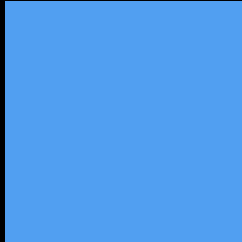
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 48.184, 271.750 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

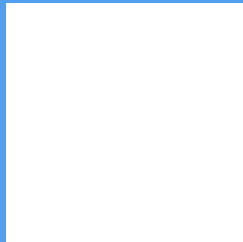
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 48.184, 271.750

Background



This preview shows how black text looks on a background with the CIELCh color 64, 48.184, 271.750.



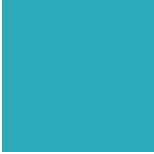
This preview shows how white text looks on a background with the CIELCh color 64, 48.184, 271.750.

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](#).

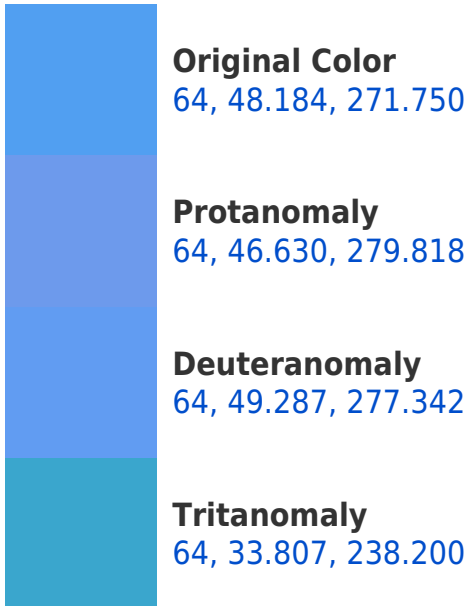
Dichromacy



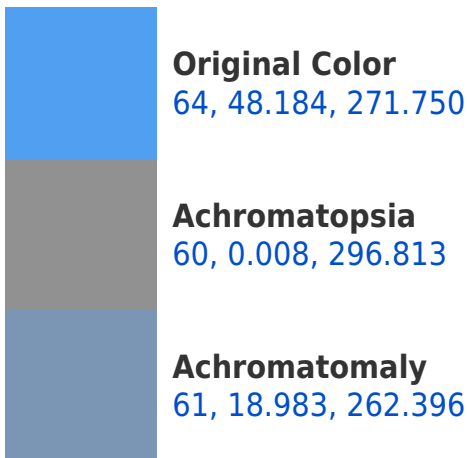


Tritanopia
64, 32.843, 210.823

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 48.184, 271.750 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(81, 159, 241)` looks like.

```
.text, #text, p{  
    color:rgb(81, 159, 241)  
}
```

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(81, 159, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 159, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 48.184, 271.750 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(81, 159, 241) }
```

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

```
.border{ border-color:rgb(81, 159, 241) }
```

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

Here you see how a box with a 4 pixel rgb(81, 159, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 159, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 159, 241);  
box-shadow:4px 4px 4px 4px rgb(81, 159,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 48.184, 271.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 159, 241) }
```

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

```
.background{ background-color: rgb(81, 159,  
241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor