

Converting Colors

CIELCh(64, 49.790, 261.669)

Have a look what the booklet for
CIELCh(64, 49.790, 261.669)
contains.

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Color

CIELCh(64, 49.721, 261.619)

Conversions

Conversions Part 1

Format	Color
Hex	00A4F2
RGB	0, 164, 242
RGB Percent	0%, 64%, 95%
CMY	1.0000, 0.3587, 0.0491
CMYK	1.00, 0.33, 0.00, 0.05
HSL	200°, 100%, 48%
HSV	200°, 100%, 95%
XYZ	29.2523, 32.8017, 89.1740
YIQ	123.8560, -122.7820, -10.5100

Conversions

Conversions Part 2

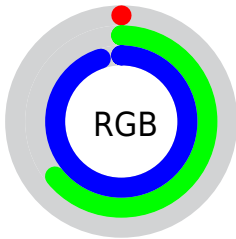
Format	Color
RYB	0, 98, 242
Decimal	42226
CIELab	64.00, -7.25, -49.19
CIELCh	64, 49.721, 261.619
Yxy	32.8017, 0.1934, 0.2169
Android (android.graphics.Color)	4278232306 (0xFF00A4F2)
YUV	123.8560, 58.2450, -108.6217
Hunter-Lab	57.2727, -9.0576, -52.2239

Details

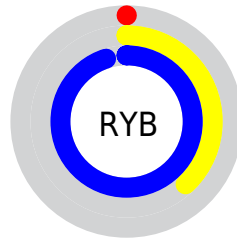
The CIELCh color **64, 49.721, 261.619** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **57, 90.324, 48.122**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.628, 231.469**, and **46, 45.306, 270.831** is the 20% darker color. If you saturate the color by 10%, you get **64, 49.684, 261.702**, and if you desaturate by 10%, it is **66, 46.569, 256.592**.

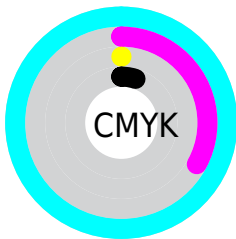
Distribution



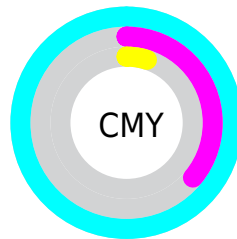
- Red (0%)
- Green (64%)
- Blue (95%)



- Red (0%)
- Yellow (38%)
- Blue (95%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (36%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 49.721, 261.619 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, 49.721, 261.619 by changing the saturation by 10% instead.

 64, 49.721,
261.619

 64, 49.721,
261.619

 100, 49.721,
261.619


 54, 49.721,
261.619


 84, 49.721,
261.619

 44, 49.721,
261.619

 94, 49.721,
261.619

 34, 49.721,
261.619

 24, 49.721,
261.619

 14, 49.721,
261.619

 4, 49.721, 261.619

 0, 49.721, 261.619

■ 64, 49.721,
261.619

■ 64, 49.721,
261.619

■ 64, 49.684,
261.702

■ 66, 46.569,
256.592

■ 69, 43.310,
251.946

■ 72, 39.665,
247.970

■ 75, 35.504,
244.670

■ 78, 30.774,
241.984

■ 81, 25.487,
239.826

■ 85, 19.694,
238.106

■ 88, 13.465,

236.744

■ 92, 6.878, 235.690

Harmonies

Complementary

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



64, 49.721, 261.619



57, 90.324, 48.122

Rectangle

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



64, 49.721, 261.619



64, 49.721, 311.619



64, 49.721, 81.619



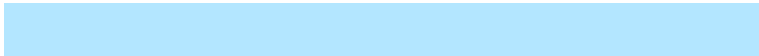
64, 49.721, 131.619

Sweetspot

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



64, 49.684, 261.702



89, 20.509, 238.119



84, 101.723, 141.298



46, 13.825, 238.799



0, 0.000, 0.000



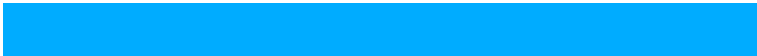
53, 0.007, 296.813

Same Dimension

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



64, 49.684, 261.702



67, 51.696, 261.855



35, 116.219, 303.368



49, 3.943, 235.645



50, 40.357, 260.770



14, 16.744, 252.824

Inverse Universe

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



54, 87.178, 347.247



56, 90.517, 347.317



81, 82.774, 89.039



48, 6.970, 335.975



41, 71.719, 346.830



10, 32.763, 343.629

Previews

White Background



This preview shows how the CIE LCh color 64, 49.721, 261.619 looks on a white background.

Color Contrast Check

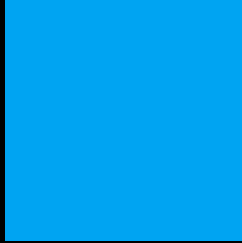
Large Text (above 18pt) WCAG AA × Fail

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, 49.721, 261.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

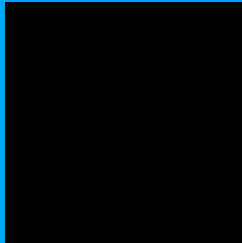
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

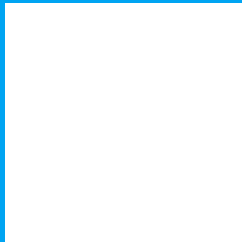
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 49.721, 261.619

Background



This preview shows how black text looks on a background with the CIELCh color 64, 49.721, 261.619.

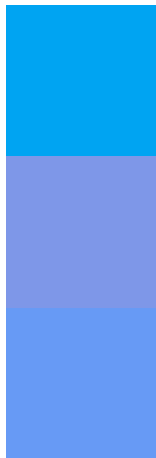


This preview shows how white text looks on a background with the CIELCh color 64, 49.721, 261.619.

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](#).

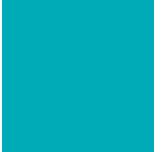
Dichromacy



Original Color
64, 49.311, 261.117

Protanopia
64, 45.420, 285.791

Deuteranopia
64, 51.589, 280.692



Tritanopia
64, 35.865, 208.468

Trichromacy



Original Color
64, 49.311, 261.117

Protanomaly
63, 47.199, 271.650

Deuteranomaly
63, 51.279, 271.693

Tritanomaly
64, 37.021, 231.577

Monochromacy



Original Color
64, 49.311, 261.117

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 23.873, 242.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 49.721, 261.619 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(0, 164, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 242)  
}
```

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(0, 164, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 49.721, 261.619 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(0, 164, 242) }
```

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

```
.border{ border-color:rgb(0, 164, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 49.721, 261.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 242) }
```

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

```
.background{ background-color: rgb(0, 164,  
242) }
```

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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