

Converting Colors

CIELCh(69, 44.221, 249.164)

Have a look what the booklet for
CIELCh(69, 44.221, 249.164)
contains.

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Color

CIELCh(69, 44.442, 249.700)

Conversions

Conversions Part 1

Format	Color
Hex	16B4F3
RGB	22, 180, 243
RGB Percent	9%, 71%, 95%
CMY	0.9154, 0.2936, 0.0465
CMYK	0.91, 0.26, 0.00, 0.05
HSL	197°, 90%, 52%
HSV	197°, 91%, 95%
XYZ	32.8703, 39.3444, 90.7737
YIQ	139.9400, -114.3910, -13.9030

Conversions

Conversions Part 2

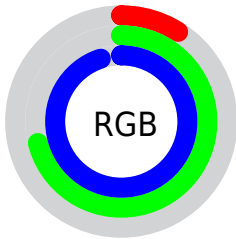
Format	Color
R _{YB}	22, 114, 243
Decimal	1488115
CIE Lab	69.00, -15.42, -41.68
CIE LCh	69, 44.442, 249.700
Yxy	39.3444, 0.2017, 0.2414
Android (android.graphics.Color)	4279678195 (0xFF16B4F3)
YUV	139.9400, 50.8086, -103.4334
Hunter-Lab	62.7251, -16.2281, -41.8950

Details

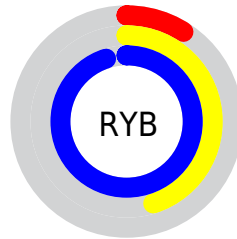
The CIELCh color **69, 44.442, 249.700** is a light color, and the websafe version is hex **0099CC**. The color can be described as light washed azure. A complement of this color would be **58, 86.026, 47.158**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 34.988, 214.035**, and **50, 40.167, 259.953** is the 20% darker color. If you saturate the color by 10%, you get **67, 46.461, 254.086**, and if you desaturate by 10%, it is **71, 41.924, 245.256**.

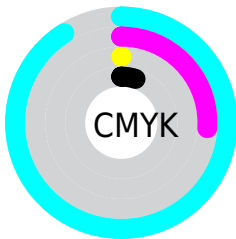
Distribution



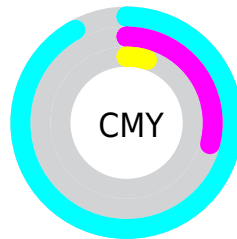
- Red (9%)
- Green (71%)
- Blue (95%)



- Red (9%)
- Yellow (45%)
- Blue (95%)



- Cyan (91%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)



- Cyan (92%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 44.442, 249.700 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 69, 44.442, 249.700 by changing the saturation by 10% instead.

 69, 44.442,
249.700

 69, 44.442,
249.700

 100, 44.442,
249.700

 59, 44.442,
249.700

 89, 44.442,
249.700

 49, 44.442,
249.700

 99, 44.442,
249.700

 39, 44.442,
249.700

 29, 44.442,
249.700

 19, 44.442,
249.700

 9, 44.442, 249.700

 0, 44.442, 249.700

■ 69, 44.442,
249.700

■ 69, 44.442,
249.700

■ 67, 46.461,
254.086

■ 71, 41.924,
245.256

■ 74, 38.897,
241.516

■ 76, 35.232,
238.458

■ 79, 30.887,
236.007

■ 82, 25.885,
234.068

■ 85, 20.290,
232.549

■ 89, 14.184,
231.372

■ 92, 7.658, 230.483

Harmonies

Complementary

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



69, 44.442, 249.700



58, 86.026, 47.158

Rectangle

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



69, 44.442, 249.700



69, 44.442, 299.700



69, 44.442, 69.700



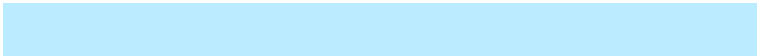
69, 44.442, 119.700

Sweetspot

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



69, 44.441, 249.701



90, 18.523, 232.034



84, 99.127, 141.969



47, 12.350, 232.465



0, 0.000, 0.000



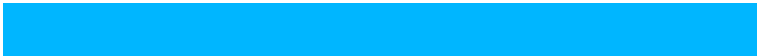
53, 0.007, 296.813

Same Dimension

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



69, 44.441, 249.701



70, 48.219, 254.226



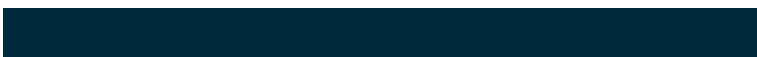
40, 102.886, 299.941



49, 3.947, 230.366



52, 37.757, 253.171



15, 16.003, 245.603

Inverse Universe

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



55, 89.319, 342.502



57, 92.906, 344.153



81, 79.998, 87.580



48, 7.178, 334.272



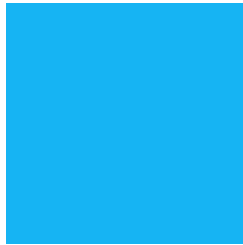
41, 73.603, 343.757



10, 33.574, 341.151

Previews

White Background



This preview shows how the CIE LCh color 69, 44.442, 249.700 looks on a white background.

Color Contrast Check

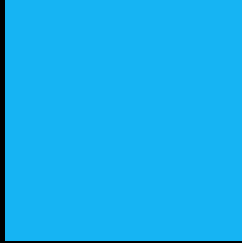
Large Text (above 18pt) WCAG AA × Fail

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 69, 44.442, 249.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

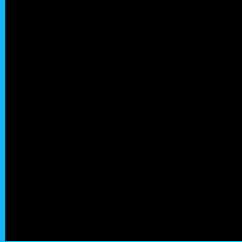
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

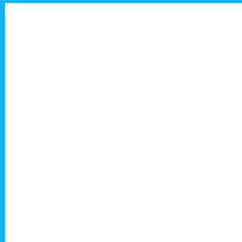
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 44.442, 249.700

Background



This preview shows how black text looks on a background with the CIELCh color 69, 44.442, 249.700.



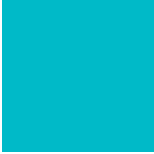
This preview shows how white text looks on a background with the CIELCh color 69, 44.442, 249.700.

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
69, 38.175, 208.421

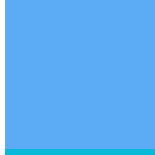
Trichromacy



Original Color
69, 44.415, 249.746



Protanomaly
68, 38.931, 264.571



Deuteranomaly
68, 44.175, 267.146



Tritanomaly
69, 38.256, 224.759

Monochromacy



Original Color
69, 44.415, 249.746



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 21.926, 234.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 44.442, 249.700 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(22, 180, 243)` looks like.

```
.text, #text, p{  
    color:rgb(22, 180, 243)  
}
```

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(22, 180, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 180, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 44.442, 249.700 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(22, 180, 243) }
```

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

```
.border{ border-color:rgb(22, 180, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 180, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 180, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 180, 243);  
box-shadow:4px 4px 4px 4px rgb(22, 180,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 44.442, 249.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 180, 243) }
```

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

```
.background{ background-color: rgb(22, 180,  
243) }
```

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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