

Converting Colors

CIELCh(56, 95.850, 220.995)

Have a look what the booklet for
CIELCh(56, 95.850, 220.995)
contains.

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Color

CIELCh(65, 48.643, 259.423)

Conversions

Conversions Part 1

Format	Color
Hex	00A7F3
RGB	0, 167, 243
RGB Percent	0%, 65%, 95%
CMY	1.0000, 0.3456, 0.0476
CMYK	1.00, 0.31, 0.00, 0.05
HSL	199°, 100%, 48%
HSV	199°, 100%, 95%
XYZ	29.9410, 34.0472, 89.6762
YIQ	125.7310, -123.9280, -11.7680

Conversions

Conversions Part 2

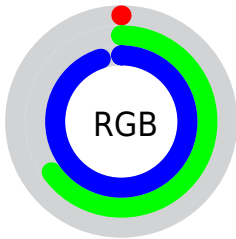
Format	Color
RYB	0, 99, 243
Decimal	42995
CIELab	65.00, -8.93, -47.82
CIELCh	65, 48.643, 259.423
Yxy	34.0472, 0.1948, 0.2216
Android (android.graphics.Color)	4278233075 (0xFF00A7F3)
YUV	125.7310, 57.8136, -110.2661
Hunter-Lab	58.3500, -10.5190, -50.2759

Details

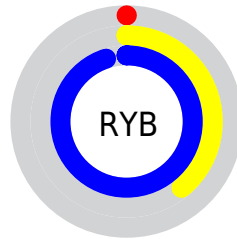
The CIELCh color **65, 48.643, 259.423** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **56, 91.066, 47.479**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.615, 228.201**, and **47, 44.830, 269.769** is the 20% darker color. If you saturate the color by 10%, you get **65, 48.632, 259.445**, and if you desaturate by 10%, it is **67, 45.780, 254.372**.

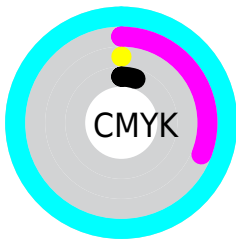
Distribution



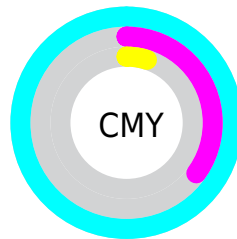
- Red (0%)
- Green (65%)
- Blue (95%)



- Red (0%)
- Yellow (39%)
- Blue (95%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 48.643, 259.423 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 65, 48.643, 259.423 by changing the saturation by 10% instead.


 65, 48.643,
259.423


 65, 48.643,
259.423


 100, 48.643,
259.423

 55, 48.643,
259.423


 85, 48.643,
259.423

 45, 48.643,
259.423

 95, 48.643,
259.423

 35, 48.643,
259.423

 25, 48.643,
259.423

 15, 48.643,
259.423

 5, 48.643, 259.423

 0, 48.643, 259.423

■ 65, 48.643,
259.423

■ 65, 48.643,
259.423

■ 65, 48.632,
259.445

■ 67, 45.780,
254.372

■ 70, 42.744,
249.793

■ 73, 39.278,
245.899

■ 75, 35.253,
242.684

■ 79, 30.626,
240.082

■ 82, 25.410,
238.001

■ 85, 19.664,
236.352

■ 89, 13.461,

235.054

■ 92, 6.882, 234.058

Harmonies

Complementary

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



65, 48.643, 259.423



56, 91.066, 47.479

Rectangle

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



65, 48.643, 259.423



65, 48.643, 309.423



65, 48.643, 79.423



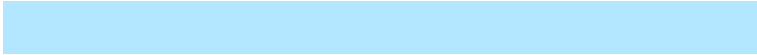
65, 48.643, 129.423

Sweetspot

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



65, 48.632, 259.445



89, 20.452, 236.363



84, 103.054, 140.786



46, 13.778, 237.014



0, 0.000, 0.000



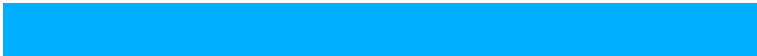
53, 0.007, 296.813

Same Dimension

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



65, 48.632, 259.445



68, 50.534, 259.592



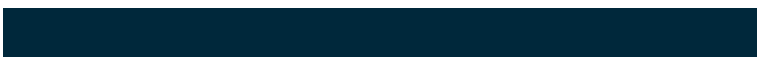
35, 114.435, 302.874



49, 3.941, 234.016



51, 39.485, 258.512



15, 16.489, 250.650

Inverse Universe

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



54, 87.956, 346.253



56, 91.220, 346.316



81, 82.228, 87.574



48, 7.033, 335.439



41, 72.275, 345.859



10, 33.006, 342.847

Previews

White Background



This preview shows how the CIE LCh color 65, 48.643, 259.423 looks on a white background.

Color Contrast Check

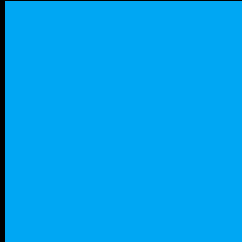
Large Text (above 18pt) WCAG AA × Fail

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 65, 48.643, 259.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

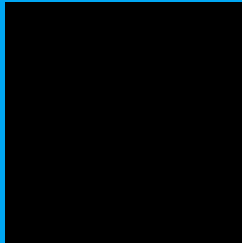
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

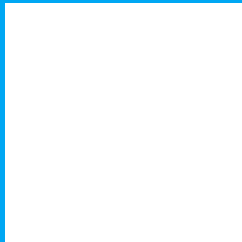
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 48.643, 259.423

Background



This preview shows how black text looks on a background with the CIELCh color 65, 48.643, 259.423.

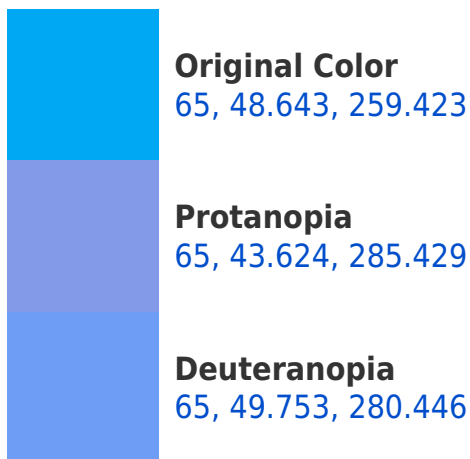


This preview shows how white text looks on a background with the CIELCh color 65, 48.643, 259.423.

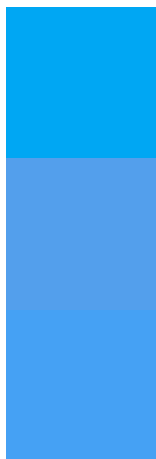
Color Blindness Simulation

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



Trichromacy

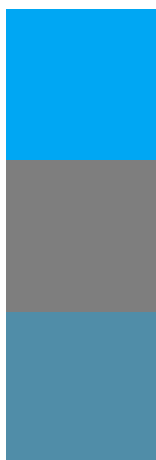


Original Color
65, 48.643, 259.423

Protanomaly
64, 45.674, 270.155

Deuteranomaly
64, 49.335, 269.534

Monochromacy



Original Color
65, 48.643, 259.423

Achromatopsia
53, 0.007, 296.813

Achromatomaly
56, 23.609, 239.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 48.643, 259.423 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, 167, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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(0, 167, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 48.643, 259.423 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, 167, 243) }
```

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

```
.border{ border-color:rgb(0, 167, 243) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 48.643, 259.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 243) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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