

Converting Colors

CIELCh(60, 64.844, 243.438)

Have a look what the booklet for
CIELCh(60, 64.844, 243.438)
contains.

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Color

CIELCh(64, 50.970, 263.078)

Conversions

Conversions Part 1

Format	Color
Hex	00A3F5
RGB	0, 163, 245
RGB Percent	0%, 64%, 96%
CMY	1.0000, 0.3603, 0.0390
CMYK	1.00, 0.33, 0.00, 0.04
HSL	200°, 100%, 48%
HSV	200°, 100%, 96%
XYZ	29.5403, 32.8017, 91.2028
YIQ	123.6110, -123.4700, -9.0540

Conversions

Conversions Part 2

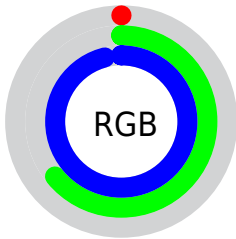
Format	Color
RYB	0, 98, 245
Decimal	41973
CIELab	64.00, -6.14, -50.60
CIELCh	64, 50.970, 263.078
Yxy	32.8017, 0.1924, 0.2136
Android (android.graphics.Color)	4278232053 (0xFF00A3F5)
YUV	123.6110, 59.8448, -108.4068
Hunter-Lab	57.2727, -8.1599, -54.3242

Details

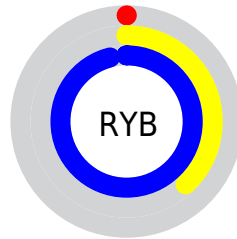
The CIELCh color **64, 50.970, 263.078** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **58, 90.630, 48.554**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.498, 232.751**, and **46, 47.307, 272.998** is the 20% darker color. If you saturate the color by 10%, you get **64, 50.905, 263.229**, and if you desaturate by 10%, it is **67, 47.577, 258.095**.

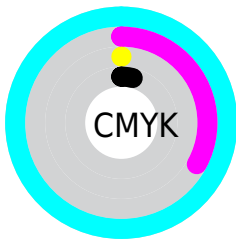
Distribution



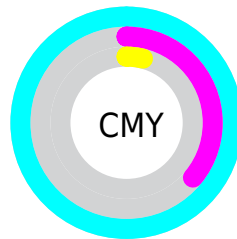
- Red (0%)
- Green (64%)
- Blue (96%)



- Red (0%)
- Yellow (38%)
- Blue (96%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (36%)
- Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 50.970, 263.078 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, 50.970, 263.078 by changing the saturation by 10% instead.

 64, 50.970,
263.078

 64, 50.970,
263.078

 100, 50.970,
263.078


 54, 50.970,
263.078


 84, 50.970,
263.078

 44, 50.970,
263.078

 94, 50.970,
263.078

 34, 50.970,
263.078

 24, 50.970,
263.078

 14, 50.970,
263.078

 4, 50.970, 263.078

 0, 50.970, 263.078

■ 64, 50.970,
263.078

■ 64, 50.970,
263.078

■ 64, 50.905,
263.229

■ 67, 47.577,
258.095

■ 69, 44.131,
253.407

■ 72, 40.327,
249.377

■ 75, 36.029,
246.019

■ 78, 31.182,
243.277

■ 82, 25.793,
241.068

■ 85, 19.910,
239.300

■ 89, 13.602,

237.895

■ 93, 6.943, 236.802

Harmonies

Complementary

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



64, 50.970, 263.078



58, 90.630, 48.554

Rectangle

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



64, 50.970, 263.078



64, 50.970, 313.078



64, 50.970, 83.078



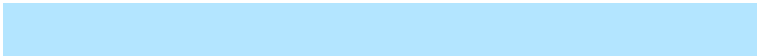
64, 50.970, 133.078

Sweetspot

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



64, 50.905, 263.229



88, 20.559, 239.310



85, 101.311, 141.823



46, 13.864, 240.009



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, 50.905, 263.229



66, 52.532, 263.349



34, 119.024, 303.833



49, 3.946, 236.754



49, 40.985, 262.263



14, 16.930, 254.275

Inverse Universe

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



54, 87.419, 347.954



56, 90.057, 348.011



83, 84.141, 90.464



48, 6.927, 336.346



41, 71.354, 347.504



10, 32.602, 344.172

Previews

White Background



This preview shows how the CIELCh color 64, 50.970, 263.078 looks on a white background.

Color Contrast Check

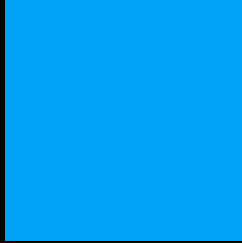
Large Text (above 18pt) WCAG AA × Fail

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 64, 50.970, 263.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

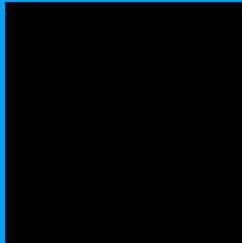
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

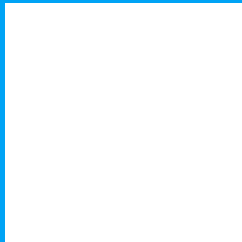
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 50.970, 263.078

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.970, 263.078.



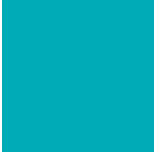
This preview shows how white text looks on a background with the CIELCh color 64, 50.970, 263.078.

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, 35.865, 208.468

Trichromacy



Original Color
64, 50.935, 263.297



Protanomaly
63, 49.129, 273.443



Deuteranomaly
64, 51.860, 271.532



Tritanomaly
64, 37.198, 232.467

Monochromacy



Original Color
64, 50.935, 263.297



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 24.199, 244.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.970, 263.078 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, 163, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 245)  
}
```

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, 163, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.970, 263.078 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, 163, 245) }
```

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

```
.border{ border-color:rgb(0, 163, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.970, 263.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 245) }
```

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

```
.background{ background-color: rgb(0, 163,  
245) }
```

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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