

Converting Colors

CIELCh(66, 44.056, 250.471)

Have a look what the booklet for
CIELCh(66, 44.056, 250.471)
contains.

CIELCh(66, 43.866, 250.106)	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(66, 43.866, 250.106)

Conversions

Conversions Part 1

Format	Color
Hex	00ACEA
RGB	0, 172, 234
RGB Percent	0%, 67%, 92%
CMY	1.0000, 0.3265, 0.0834
CMYK	1.00, 0.27, 0.00, 0.08
HSL	196°, 100%, 46%
HSV	196°, 100%, 92%
XYZ	29.4976, 35.3238, 82.9028
YIQ	127.6400, -122.4140, -17.1820

Conversions

Conversions Part 2

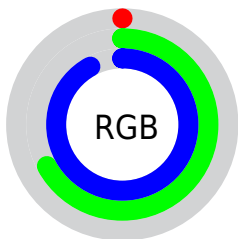
Format	Color
RYB	0, 99, 234
Decimal	44266
CIELab	66.00, -14.93, -41.25
CIELCh	66, 43.866, 250.106
Yxy	35.3238, 0.1997, 0.2391
Android (android.graphics.Color)	4278234346 (0xFF00ACEA)
YUV	127.6400, 52.4355, -111.9403
Hunter-Lab	59.4338, -15.4178, -41.0984

Details

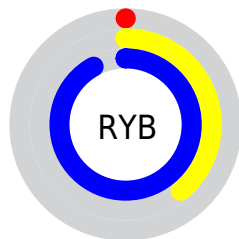
The CIELCh color **66, 43.866, 250.106** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **53, 90.634, 45.414**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 34.995, 222.677**, and **48, 38.982, 260.628** is the 20% darker color. If you saturate the color by 10%, you get **66, 43.840, 250.149**, and if you desaturate by 10%, it is **68, 41.962, 245.422**.

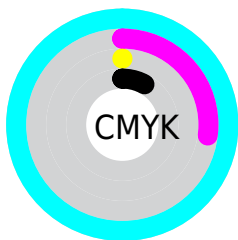
Distribution



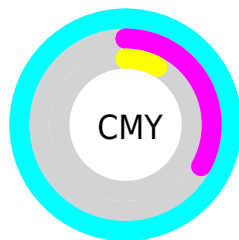
- Red (0%)
- Green (67%)
- Blue (92%)



- Red (0%)
- Yellow (39%)
- Blue (92%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (33%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 43.866, 250.106 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 66, 43.866, 250.106 by changing the saturation by 10% instead.


 66, 43.866,
250.106


 66, 43.866,
250.106


 100, 43.866,
250.106


 56, 43.866,
250.106


 86, 43.866,
250.106

 46, 43.866,
250.106

 96, 43.866,
250.106

 36, 43.866,
250.106

 26, 43.866,
250.106

 16, 43.866,
250.106

 6, 43.866, 250.106

 0, 43.866, 250.106

■ 66, 43.866,
250.106

■ 66, 43.866,
250.106

■ 66, 43.840,
250.149

■ 68, 41.962,
245.422

■ 70, 39.748,
241.269

■ 72, 36.956,
237.821

■ 75, 33.484,
235.032

■ 77, 29.308,
232.818

■ 80, 24.463,
231.083

■ 83, 19.022,
229.739

■ 86, 13.072,

228.711

■ 89, 6.704, 227.957

Harmonies

Complementary

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



66, 43.866, 250.106



53, 90.634, 45.414

Rectangle

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



66, 43.866, 250.106



66, 43.866, 300.106



66, 43.866, 70.106



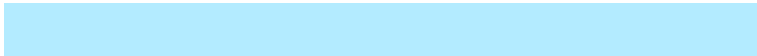
66, 43.866, 120.106

Sweetspot

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



66, 43.840, 250.149



90, 20.404, 229.756



81, 103.274, 139.454



47, 13.719, 230.285



0, 0.000, 0.000



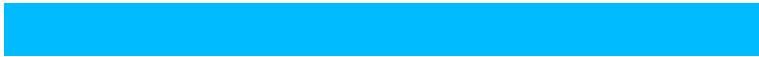
53, 0.007, 296.813

Same Dimension

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



66, 43.840, 250.149



72, 46.905, 250.405



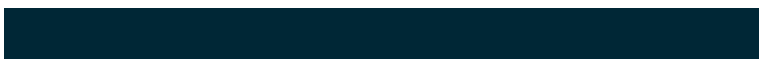
36, 104.747, 301.054



48, 3.825, 227.925



52, 36.006, 249.273



14, 14.802, 241.211

Inverse Universe

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



52, 88.194, 342.672



57, 94.119, 342.761



75, 78.399, 83.072



46, 7.027, 333.512



40, 73.058, 342.369



8, 32.148, 339.789

Previews

White Background



This preview shows how the CIE LCh color 66, 43.866, 250.106 looks on a white background.

Color Contrast Check

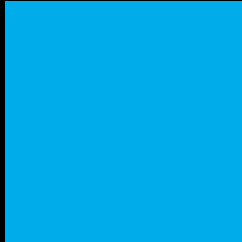
Large Text (above 18pt) WCAG AA × Fail

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 66, 43.866, 250.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

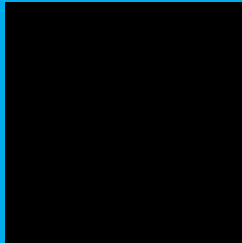
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

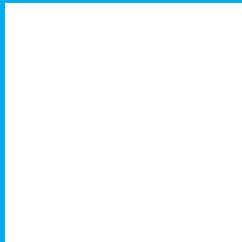
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 43.866, 250.106

Background



This preview shows how black text looks on a background with the CIELCh color 66, 43.866, 250.106.

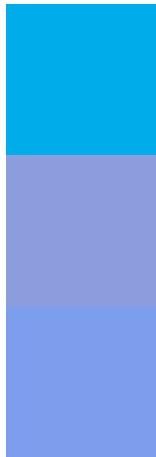


This preview shows how white text looks on a background with the CIELCh color 66, 43.866, 250.106.

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](#).

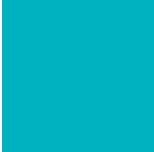
Dichromacy



Original Color
66, 43.866, 250.106

Protanopia
66, 36.235, 285.548

Deuteranopia
66, 44.320, 282.431

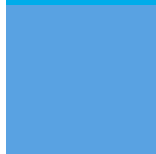


Tritanopia
66, 36.769, 209.005

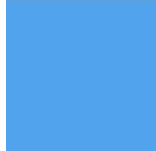
Trichromacy



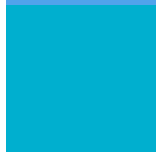
Original Color
66, 43.866, 250.106



Protanomaly
65, 39.363, 264.472



Deuteranomaly
65, 44.159, 266.567



Tritanomaly
66, 37.217, 225.909

Monochromacy



Original Color
66, 43.866, 250.106



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 22.734, 233.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 43.866, 250.106 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, 172, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 234)  
}
```

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, 172, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 43.866, 250.106 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, 172, 234) }
```

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

```
.border{ border-color:rgb(0, 172, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 43.866, 250.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 234) }
```

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

```
.background{ background-color: rgb(0, 172,  
234) }
```

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