

Converting Colors

CIELCh(67, 42.360, 245.407)

Have a look what the booklet for
CIELCh(67, 42.360, 245.407)
contains.

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Color

CIELCh(67, 42.560, 246.094)

Conversions

Conversions Part 1

Format	Color
Hex	02AFE8
RGB	2, 175, 232
RGB Percent	1%, 69%, 91%
CMY	0.9927, 0.3125, 0.0890
CMYK	0.99, 0.25, 0.00, 0.09
HSL	195°, 98%, 46%
HSV	195°, 99%, 91%
XYZ	30.0210, 36.6320, 82.0677
YIQ	129.7710, -121.4050, -18.9490

Conversions

Conversions Part 2

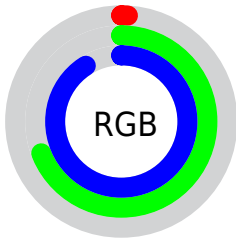
Format	Color
R _Y B	2, 101, 232
Decimal	176104
CIE Lab	67.00, -17.25, -38.91
CIE LCh	67, 42.560, 246.094
Yxy	36.6320, 0.2019, 0.2463
Android (android.graphics.Color)	4278366184 (0xFF02AFE8)
YUV	129.7710, 50.3989, -112.0552
Hunter-Lab	60.5244, -17.3790, -38.0269

Details

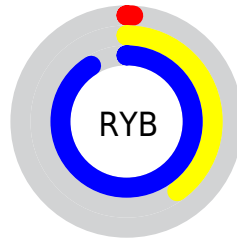
The CIELCh color **67, 42.560, 246.094** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **52, 90.429, 44.752**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.368, 218.497**, and **49, 37.084, 256.132** is the 20% darker color. If you saturate the color by 10%, you get **67, 42.687, 246.458**, and if you desaturate by 10%, it is **69, 40.970, 241.591**.

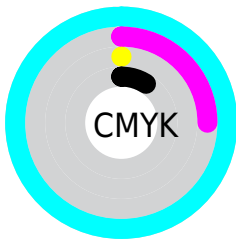
Distribution



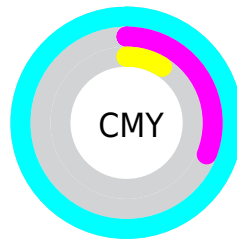
- Red (1%)
- Green (69%)
- Blue (91%)



- Red (1%)
- Yellow (40%)
- Blue (91%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)





- Cyan (99%)
- Magenta (31%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 42.560, 246.094 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 67, 42.560, 246.094 by changing the saturation by 10% instead.

 67, 42.560,
246.094

 67, 42.560,
246.094


 100, 42.560,
246.094


 57, 42.560,
246.094


 87, 42.560,
246.094

 47, 42.560,
246.094

 97, 42.560,
246.094

 37, 42.560,
246.094

 27, 42.560,
246.094

 17, 42.560,
246.094

 7, 42.560, 246.094

 0, 42.560, 246.094

■ 67, 42.560,
246.094

■ 67, 42.560,
246.094

■ 67, 42.687,
246.458

■ 69, 40.970,
241.591

■ 71, 38.954,
237.710

■ 73, 36.295,
234.522

■ 75, 32.907,
231.969

■ 78, 28.779,
229.959

■ 80, 23.957,
228.399

■ 83, 18.521,
227.204

■ 86, 12.563,

226.306

■ 89, 6.179, 225.668

Harmonies

Complementary

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



67, 42.560, 246.094



52, 90.429, 44.752

Rectangle

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



67, 42.560, 246.094



67, 42.560, 296.094



67, 42.560, 66.094



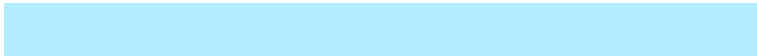
67, 42.560, 116.094

Sweetspot

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



67, 42.559, 246.095



90, 20.454, 227.304



81, 103.378, 139.175



47, 13.744, 227.783



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 42.559, 246.095



73, 45.869, 246.722



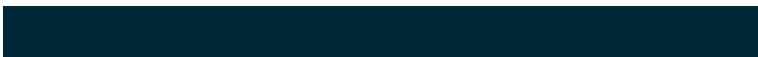
37, 101.196, 300.139



48, 3.843, 225.682



53, 35.264, 245.632



14, 14.639, 237.944

Inverse Universe

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



52, 88.870, 341.309



57, 95.299, 341.514



74, 77.512, 81.689



46, 7.117, 332.829



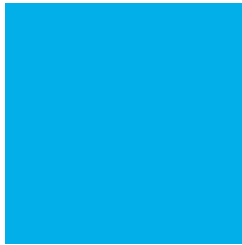
41, 73.963, 341.161



8, 32.505, 338.830

Previews

White Background



This preview shows how the CIE LCh color 67, 42.560, 246.094 looks on a white background.

Color Contrast Check

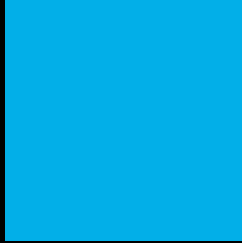
Large Text (above 18pt) WCAG AA × Fail

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 67, 42.560, 246.094 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 67, 42.560, 246.094

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.560, 246.094.

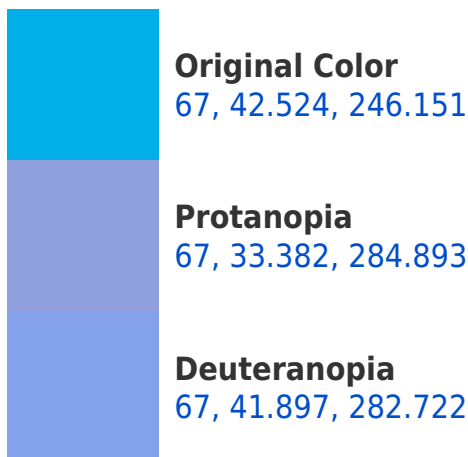


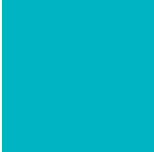
This preview shows how white text looks on a background with the CIELCh color 67, 42.560, 246.094.

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



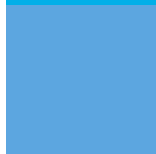


Tritanopia
67, 37.239, 208.804

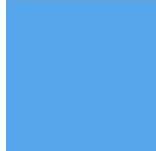
Trichromacy



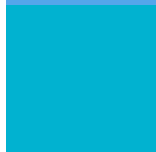
Original Color
67, 42.524, 246.151



Protanomaly
66, 36.759, 260.451



Deuteranomaly
66, 42.159, 264.772



Tritanomaly
67, 37.388, 223.687

Monochromacy



Original Color
67, 42.524, 246.151



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 22.493, 230.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.560, 246.094 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(2, 175, 232)` looks like.

```
.text, #text, p{  
    color:rgb(2, 175, 232)  
}
```

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(2, 175, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 175, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.560, 246.094 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(2, 175, 232) }
```

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

```
.border{ border-color:rgb(2, 175, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 175, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 175, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 175, 232);  
box-shadow:4px 4px 4px 4px rgb(2, 175,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.560, 246.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 175, 232) }
```

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

```
.background{ background-color: rgb(2, 175,  
232) }
```

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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