

Converting Colors

CIELCh(65, 42.080, 247.057)

Have a look what the booklet for
CIELCh(65, 42.080, 247.057)
contains.

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Color

CIELCh(65, 42.024, 247.380)

Conversions

Conversions Part 1

Format	Color
Hex	02A9E2
RGB	2, 169, 226
RGB Percent	1%, 66%, 89%
CMY	0.9910, 0.3357, 0.1121
CMYK	0.99, 0.25, 0.00, 0.11
HSL	195°, 98%, 45%
HSV	195°, 99%, 89%
XYZ	28.0713, 34.0472, 77.3382
YIQ	125.5650, -117.8290, -17.6770

Conversions

Conversions Part 2

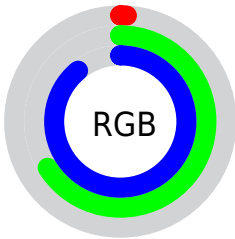
Format	Color
R_{YB}	2, 98, 226
Decimal	174562
CIE _{Lab}	65.00, -16.16, -38.79
CIE _{LCh}	65, 42.024, 247.380
Yxy	34.0472, 0.2013, 0.2441
Android (android.graphics.Color)	4278364642 (0xFF02A9E2)
YUV	125.5650, 49.5145, -108.3665
Hunter-Lab	58.3500, -16.2388, -37.7392

Details

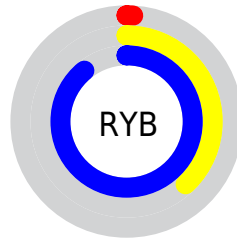
The CIELCh color **65, 42.024, 247.380** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **51, 88.178, 45.072**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.158, 225.574**, and **46, 36.720, 257.935** is the 20% darker color. If you saturate the color by 10%, you get **65, 42.195, 247.847**, and if you desaturate by 10%, it is **67, 40.349, 242.819**.

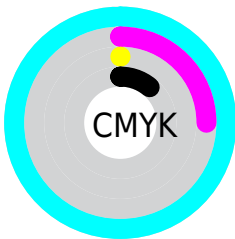
Distribution



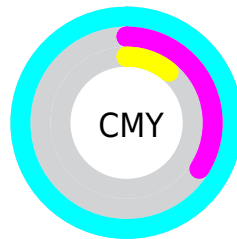
- Red (1%)
- Green (66%)
- Blue (89%)



- Red (1%)
- Yellow (38%)
- Blue (89%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)





- Cyan (99%)
- Magenta (34%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 42.024, 247.380 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, 42.024, 247.380 by changing the saturation by 10% instead.


 65, 42.024,
247.380


 65, 42.024,
247.380


 100, 42.024,
247.380


 55, 42.024,
247.380


 85, 42.024,
247.380

 45, 42.024,
247.380

 95, 42.024,
247.380

 35, 42.024,
247.380

 25, 42.024,
247.380

 15, 42.024,
247.380

 5, 42.024, 247.380

 0, 42.024, 247.380

■ 65, 42.024,
247.380

■ 65, 42.024,
247.380

■ 65, 42.195,
247.847

■ 67, 40.349,
242.819

■ 69, 38.271,
238.880

■ 71, 35.581,
235.636

■ 73, 32.195,
233.031

■ 76, 28.101,
230.974

■ 79, 23.343,
229.372

■ 81, 17.998,
228.140

■ 84, 12.153,

227.208

■ 87, 5.901, 226.540

Harmonies

Complementary

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



65, 42.024, 247.380



51, 88.178, 45.072

Rectangle

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



65, 42.024, 247.380



65, 42.024, 297.380



65, 42.024, 67.380



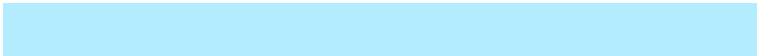
65, 42.024, 117.380

Sweetspot

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



65, 42.023, 247.381



90, 20.430, 228.272



79, 100.233, 139.650



47, 13.731, 228.771



0, 0.000, 0.000



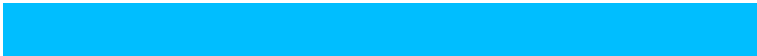
53, 0.007, 296.813

Same Dimension

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



65, 42.023, 247.381



72, 46.257, 248.193



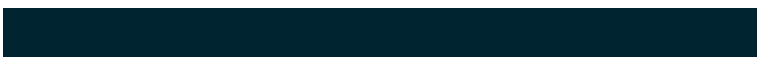
35, 101.078, 300.729



46, 3.698, 226.564



51, 34.774, 246.977



13, 13.760, 238.239

Inverse Universe

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



51, 86.743, 341.730



57, 94.826, 342.002



73, 76.351, 83.310



44, 6.827, 333.094



39, 72.083, 341.598



7, 30.259, 338.920

Previews

White Background



This preview shows how the CIE LCh color 65, 42.024, 247.380 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 65, 42.024, 247.380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

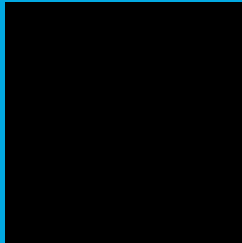
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 42.024, 247.380

Background



This preview shows how black text looks on a background with the CIELCh color 65, 42.024, 247.380.

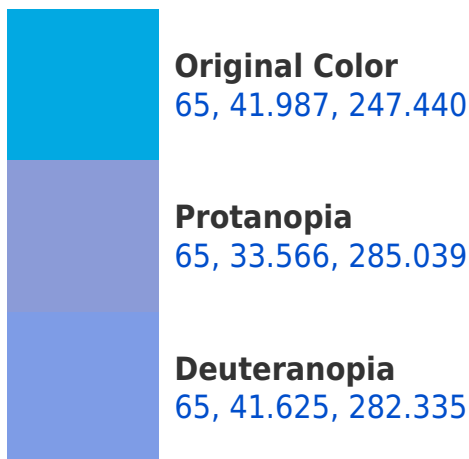


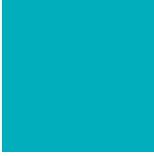
This preview shows how white text looks on a background with the CIELCh color 65, 42.024, 247.380.

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
65, 36.298, 209.212

Trichromacy



Original Color
65, 41.987, 247.440



Protanomaly
64, 37.000, 262.388



Deuteranomaly
64, 41.724, 264.959



Tritanomaly
65, 36.546, 224.559

Monochromacy



Original Color
65, 41.987, 247.440



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 22.069, 231.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 42.024, 247.380 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, 169, 226)` looks like.

```
.text, #text, p{  
    color:rgb(2, 169, 226)  
}
```

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, 169, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 169, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 42.024, 247.380 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, 169, 226) }
```

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

```
.border{ border-color:rgb(2, 169, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 169, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 169, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 169, 226);  
box-shadow:4px 4px 4px 4px rgb(2, 169,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 42.024, 247.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 169, 226) }
```

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

```
.background{ background-color: rgb(2, 169,  
226) }
```

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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