

Converting Colors

CIELCh(64, 43.524, 252.072)

Have a look what the booklet for
CIELCh(64, 43.524, 252.072)
contains.

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Color

CIELCh(64, 43.316, 251.585)

Conversions

Conversions Part 1

Format	Color
Hex	04A6E4
RGB	4, 166, 228
RGB Percent	2%, 65%, 89%
CMY	0.9854, 0.3499, 0.1068
CMYK	0.98, 0.27, 0.00, 0.11
HSL	197°, 97%, 45%
HSV	197°, 98%, 89%
XYZ	27.6108, 32.8017, 78.0980
YIQ	124.6300, -116.4540, -15.0620

Conversions

Conversions Part 2

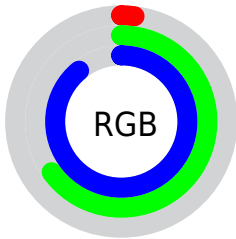
Format	Color
R_{YB}	4, 98, 228
Decimal	304868
CIE _{Lab}	64.00, -13.68, -41.10
CIE _{LCh}	64, 43.316, 251.585
Yxy	32.8017, 0.1993, 0.2368
Android (android.graphics.Color)	4278494948 (0xFF04A6E4)
YUV	124.6300, 50.9614, -105.7925
Hunter-Lab	57.2727, -14.1735, -40.7579

Details

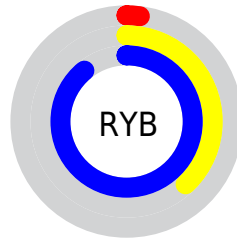
The CIELCh color **64, 43.316, 251.585** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **52, 87.165, 46.044**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.929, 228.948**, and **46, 38.719, 262.431** is the 20% darker color. If you saturate the color by 10%, you get **64, 43.657, 252.373**, and if you desaturate by 10%, it is **66, 41.261, 246.817**.

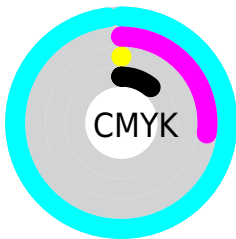
Distribution



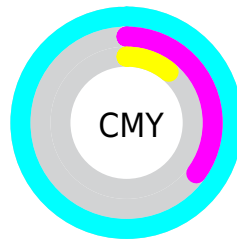
- Red (2%)
- Green (65%)
- Blue (89%)



- Red (2%)
- Yellow (38%)
- Blue (89%)



- Cyan (98%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (99%)
- Magenta (35%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 43.316, 251.585 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, 43.316, 251.585 by changing the saturation by 10% instead.

 64, 43.316,
251.585

 64, 43.316,
251.585


 100, 43.316,
251.585


 54, 43.316,
251.585


 84, 43.316,
251.585

 44, 43.316,
251.585


 94, 43.316,
251.585

 34, 43.316,
251.585

 24, 43.316,
251.585

 14, 43.316,
251.585

 4, 43.316, 251.585

 0, 43.316, 251.585

■ 64, 43.316,
251.585

■ 64, 43.316,
251.585

■ 64, 43.657,
252.373

■ 66, 41.261,
246.817

■ 68, 38.851,
242.674

■ 71, 35.889,
239.233

■ 73, 32.283,
236.446

■ 76, 28.017,
234.227

■ 79, 23.130,
232.482

■ 82, 17.692,
231.123

■ 85, 11.786,

230.078

■ 88, 5.497, 229.314

Harmonies

Complementary

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



64, 43.316, 251.585



52, 87.165, 46.044

Rectangle

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



64, 43.316, 251.585



64, 43.316, 301.585



64, 43.316, 71.585



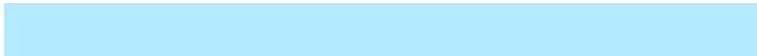
64, 43.316, 121.585

Sweetspot

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



64, 43.315, 251.586



90, 20.392, 231.346



79, 99.337, 140.191



46, 13.717, 231.906



0, 0.000, 0.000



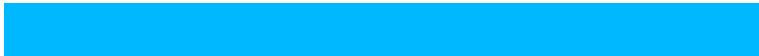
53, 0.007, 296.813

Same Dimension

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



64, 43.315, 251.586



71, 47.668, 252.715



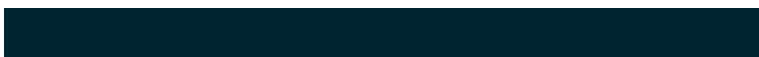
35, 103.072, 301.226



46, 3.748, 229.382



51, 36.160, 251.506



13, 14.446, 242.781

Inverse Universe

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



51, 85.796, 343.178



57, 93.384, 343.589



74, 77.016, 84.937



45, 6.845, 333.962



40, 71.748, 343.151



8, 30.970, 340.268

Previews

White Background



This preview shows how the CIELCh color 64, 43.316, 251.585 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, 43.316, 251.585 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, 43.316, 251.585

Background



This preview shows how black text looks on a background with the CIELCh color 64, 43.316, 251.585.

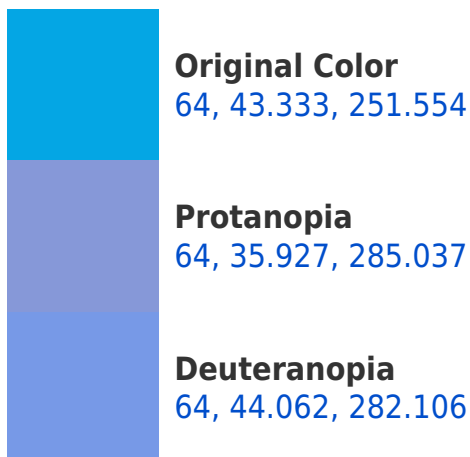


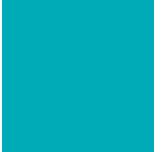
This preview shows how white text looks on a background with the CIELCh color 64, 43.316, 251.585.

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, 43.333, 251.554



Protanomaly
63, 38.762, 265.163



Deuteranomaly
63, 43.669, 267.002



Tritanomaly
64, 36.243, 225.950

Monochromacy



Original Color
64, 43.333, 251.554



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 22.137, 235.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 43.316, 251.585 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(4, 166, 228)` looks like.

```
.text, #text, p{  
    color:rgb(4, 166, 228)  
}
```

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(4, 166, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 166, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 43.316, 251.585 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(4, 166, 228) }
```

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

```
.border{ border-color:rgb(4, 166, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 166, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 166, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 166, 228);  
box-shadow:4px 4px 4px 4px rgb(4, 166,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 43.316, 251.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 166, 228) }
```

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

```
.background{ background-color: rgb(4, 166,  
228) }
```

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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