

Converting Colors

CIELCh(56, 88.169, 213.086)

Have a look what the booklet for
CIELCh(56, 88.169, 213.086)
contains.

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Color

CIELCh(64, 39.982, 243.635)

Conversions

Conversions Part 1

Format	Color
Hex	06A7DA
RGB	6, 167, 218
RGB Percent	2%, 65%, 85%
CMY	0.9749, 0.3445, 0.1443
CMYK	0.97, 0.23, 0.00, 0.14
HSL	194°, 94%, 44%
HSV	194°, 97%, 86%
XYZ	26.6047, 32.8017, 71.3964
YIQ	124.6750, -112.3270, -18.2710

Conversions

Conversions Part 2

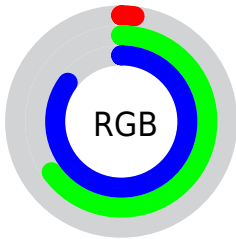
Format	Color
R_{YB}	6, 98, 218
Decimal	436186
CIE _{Lab}	64.00, -17.76, -35.82
CIE _{LCh}	64, 39.982, 243.635
Yxy	32.8017, 0.2034, 0.2508
Android (android.graphics.Color)	4278626266 (0xFF06A7DA)
YUV	124.6750, 46.0092, -104.0780
Hunter-Lab	57.2727, -17.3093, -33.8202

Details

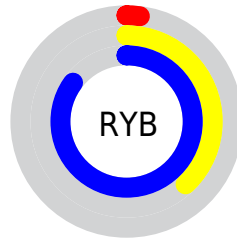
The CIELCh color **64, 39.982, 243.635** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **49, 84.901, 44.661**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 35.259, 227.552**, and **46, 34.590, 254.557** is the 20% darker color. If you saturate the color by 10%, you get **64, 40.399, 244.938**, and if you desaturate by 10%, it is **66, 38.495, 239.348**.

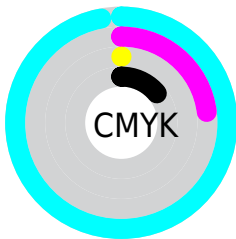
Distribution



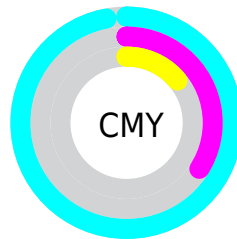
- Red (2%)
- Green (65%)
- Blue (85%)



- Red (2%)
- Yellow (38%)
- Blue (85%)



- Cyan (97%)
- Magenta (23%)
- Yellow (0%)
- Black (14%)





- Cyan (97%)
- Magenta (34%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 39.982, 243.635 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, 39.982, 243.635 by changing the saturation by 10% instead.

 64, 39.982,
243.635

 64, 39.982,
243.635


 100, 39.982,
243.635


 54, 39.982,
243.635


 84, 39.982,
243.635

 44, 39.982,
243.635

 94, 39.982,
243.635

 34, 39.982,
243.635

 24, 39.982,
243.635

 14, 39.982,
243.635

 4, 39.982, 243.635

 0, 39.982, 243.635

■ 64, 39.982,
243.635

■ 64, 39.982,
243.635

■ 64, 40.399,
244.938

■ 66, 38.495,
239.348

■ 68, 36.509,
235.733

■ 70, 33.870,
232.791

■ 72, 30.516,
230.449

■ 74, 26.456,
228.617

■ 77, 21.744,
227.202

■ 79, 16.460,
226.127

■ 82, 10.696,

225.327

■ 85, 4.542, 224.790

Harmonies

Complementary

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



64, 39.982, 243.635



49, 84.901, 44.661

Rectangle

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



64, 39.982, 243.635



64, 39.982, 293.635



64, 39.982, 63.635



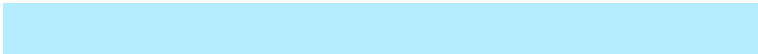
64, 39.982, 113.635

Sweetspot

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



64, 39.981, 243.636



91, 19.866, 226.336



76, 97.394, 139.578



47, 13.424, 226.790



0, 0.000, 0.000



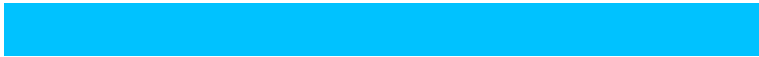
53, 0.007, 296.813

Same Dimension

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



64, 39.981, 243.636



73, 45.546, 245.385



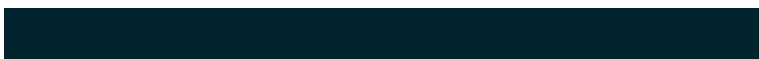
35, 94.076, 299.404



45, 3.643, 224.887



51, 33.904, 244.152



12, 13.207, 235.277

Inverse Universe

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



49, 85.105, 340.522



57, 95.730, 341.082



70, 73.499, 82.215



43, 6.763, 332.585



39, 71.991, 340.691



6, 29.170, 338.073

Previews

White Background



This preview shows how the CIE LCh color 64, 39.982, 243.635 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, 39.982, 243.635 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, 39.982, 243.635

Background



This preview shows how black text looks on a background with the CIELCh color 64, 39.982, 243.635.

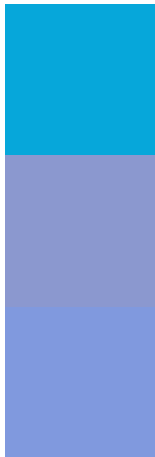


This preview shows how white text looks on a background with the CIELCh color 64, 39.982, 243.635.

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

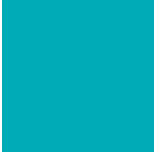
64, 39.958, 243.607

Protanopia

64, 30.845, 285.647

Deuteranopia

64, 38.863, 283.134



Tritanopia
64, 35.865, 208.468

Trichromacy



Original Color
64, 39.958, 243.607



Protanomaly
63, 34.032, 260.012



Deuteranomaly
63, 39.069, 264.028



Tritanomaly
64, 35.863, 221.108

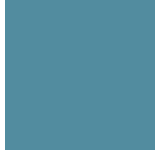
Monochromacy



Original Color
64, 39.958, 243.607



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 21.003, 229.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 39.982, 243.635 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(6, 167, 218)` looks like.

```
.text, #text, p{  
    color:rgb(6, 167, 218)  
}
```

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(6, 167, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 167, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 39.982, 243.635 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(6, 167, 218) }
```

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

```
.border{ border-color:rgb(6, 167, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 167, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 167, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 167, 218);  
box-shadow:4px 4px 4px 4px rgb(6, 167,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 39.982, 243.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 167, 218) }
```

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

```
.background{ background-color: rgb(6, 167,  
218) }
```

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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