

Converting Colors

CIELCh(58, 75.959, 210.671)

Have a look what the booklet for
CIELCh(58, 75.959, 210.671)
contains.

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Color

CIELCh(64, 37.198, 232.467)

Conversions

Conversions Part 1

Format	Color
Hex	04A9CF
RGB	4, 169, 207
RGB Percent	2%, 66%, 81%
CMY	0.9845, 0.3382, 0.1891
CMYK	0.98, 0.18, 0.00, 0.19
HSL	191°, 96%, 41%
HSV	191°, 98%, 81%
XYZ	25.4254, 32.8017, 63.8798
YIQ	123.9970, -110.5380, -23.1620

Conversions

Conversions Part 2

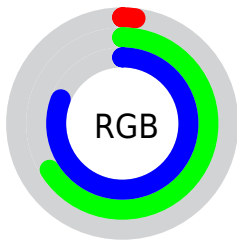
Format	Color
RYB	4, 95, 207
Decimal	305615
CIELab	64.00, -22.66, -29.50
CIELCh	64, 37.198, 232.467
Yxy	32.8017, 0.2082, 0.2686
Android (android.graphics.Color)	4278495695 (0xFF04A9CF)
YUV	123.9970, 40.9205, -105.2374
Hunter-Lab	57.2727, -20.9850, -26.0388

Details

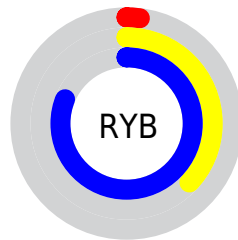
The CIELCh color **64, 37.198, 232.467** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 84.057, 42.810**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.638, 225.138**, and **46, 30.683, 242.446** is the 20% darker color. If you saturate the color by 10%, you get **64, 37.340, 233.144**, and if you desaturate by 10%, it is **65, 36.367, 229.045**.

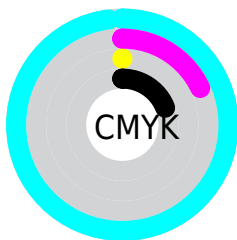
Distribution



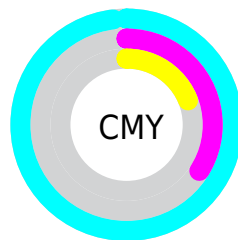
- Red (2%)
- Green (66%)
- Blue (81%)



- Red (2%)
- Yellow (37%)
- Blue (81%)



- Cyan (98%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)



- Cyan (98%)
- Magenta (34%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 37.198, 232.467 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, 37.198, 232.467 by changing the saturation by 10% instead.

 64, 37.198,
232.467


 64, 37.198,
232.467


 100, 37.198,
232.467

 54, 37.198,
232.467


 84, 37.198,
232.467

 44, 37.198,
232.467

 94, 37.198,
232.467

 34, 37.198,
232.467

 24, 37.198,
232.467

 14, 37.198,
232.467

 4, 37.198, 232.467

 0, 37.198, 232.467

■ 64, 37.198,
232.467

■ 64, 37.198,
232.467

■ 64, 37.340,
233.144

■ 65, 36.367,
229.045

■ 67, 34.943,
226.206

■ 68, 32.775,
223.940

■ 70, 29.819,
222.173

■ 72, 26.097,
220.827

■ 74, 21.670,
219.824

■ 76, 16.628,
219.099

■ 79, 11.068,

218.602

■ 81, 5.085, 218.320

Harmonies

Complementary

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



64, 37.198, 232.467



45, 84.057, 42.810

Rectangle

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



64, 37.198, 232.467



64, 37.198, 282.467



64, 37.198, 52.467



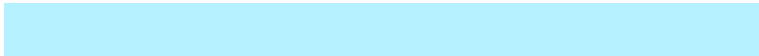
64, 37.198, 102.467

Sweetspot

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



64, 37.197, 232.467



92, 20.260, 219.178



73, 96.425, 138.346



48, 13.672, 219.473



0, 0.000, 0.000



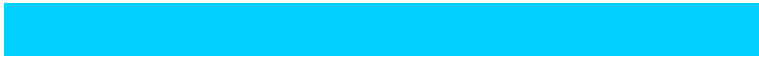
53, 0.007, 296.813

Same Dimension

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



64, 37.197, 232.467



77, 43.769, 233.647



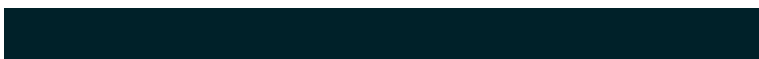
35, 84.635, 297.165



43, 3.590, 218.342



53, 32.009, 232.553



11, 12.209, 224.687

Inverse Universe

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



47, 85.057, 337.298



58, 99.612, 337.626



64, 70.050, 77.430



41, 6.755, 330.645



38, 73.246, 337.328



5, 26.918, 335.067

Previews

White Background



This preview shows how the CIELCh color 64, 37.198, 232.467 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 64, 37.198, 232.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

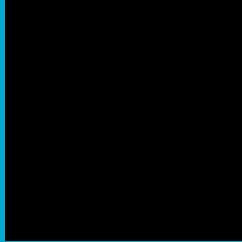
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 37.198, 232.467

Background



This preview shows how black text looks on a background with the CIELCh color 64, 37.198, 232.467.

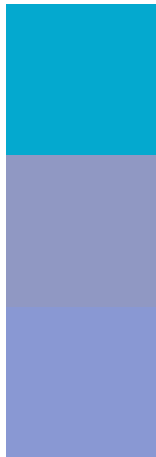


This preview shows how white text looks on a background with the CIELCh color 64, 37.198, 232.467.

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, 37.223, 232.398

Protanopia

64, 24.096, 286.324

Deuteranopia

64, 33.099, 285.424



Tritanopia
64, 35.826, 209.426

Trichromacy



Original Color
64, 37.223, 232.398



Protanomaly
62, 28.928, 251.538



Deuteranomaly
63, 33.398, 258.018



Tritanomaly
64, 35.706, 218.212

Monochromacy



Original Color
64, 37.223, 232.398



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.610, 220.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 37.198, 232.467 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, 169, 207)` looks like.

```
.text, #text, p{  
    color:rgb(4, 169, 207)  
}
```

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, 169, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 169, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 37.198, 232.467 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, 169, 207) }
```

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

```
.border{ border-color:rgb(4, 169, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 169, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 169, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 169, 207);  
box-shadow:4px 4px 4px 4px rgb(4, 169,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 37.198, 232.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 169, 207) }
```

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

```
.background{ background-color: rgb(4, 169,  
207) }
```

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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