

Converting Colors

CIELCh(64, 36.806, 228.566)

Have a look what the booklet for
CIELCh(64, 36.806, 228.566)
contains.

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Color

CIELCh(64, 36.672, 228.691)

Conversions

Conversions Part 1	
Format	Color
Hex	01A9CB
RGB	1, 169, 203
RGB Percent	0%, 66%, 80%
CMY	0.9948, 0.3363, 0.2029
CMYK	0.99, 0.17, 0.00, 0.20
HSL	190°, 99%, 40%
HSV	190°, 99%, 80%
XYZ	25.0610, 32.8017, 61.6719
YIQ	122.6440, -111.0420, -25.0420

Conversions

Conversions Part 2

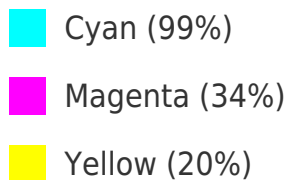
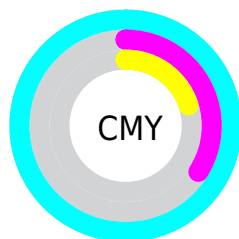
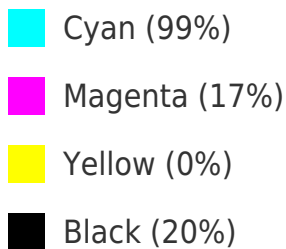
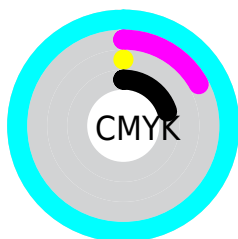
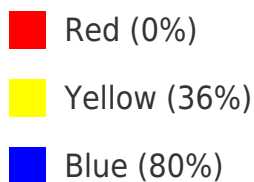
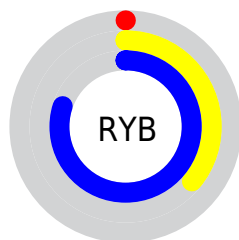
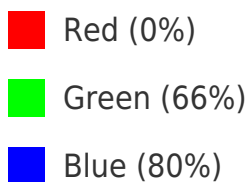
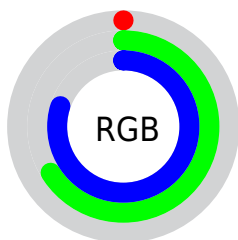
Format	Color
RYB	1, 93, 203
Decimal	109003
CIELab	64.00, -24.21, -27.55
CIELCh	64, 36.672, 228.691
Yxy	32.8017, 0.2097, 0.2744
Android (android.graphics.Color)	4278299083 (0xFF01A9CB)
YUV	122.6440, 39.6155, -106.6818
Hunter-Lab	57.2727, -22.1204, -23.7532

Details

The CIELCh color **64, 36.672, 228.691** 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 **44, 84.417, 42.392**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.952, 224.861**, and **45, 29.617, 237.999** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.710, 228.897**, and if you desaturate by 10%, it is **65, 36.030, 225.610**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 36.672, 228.691 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, 36.672, 228.691 by changing the saturation by 10% instead.


 64, 36.672,
228.691


 64, 36.672,
228.691


 100, 36.672,
228.691


 54, 36.672,
228.691


 84, 36.672,
228.691

 44, 36.672,
228.691

 94, 36.672,
228.691

 34, 36.672,
228.691

 24, 36.672,
228.691

 14, 36.672,
228.691

 4, 36.672, 228.691

 0, 36.672, 228.691

■ 64, 36.672,
228.691

■ 64, 36.672,
228.691

■ 64, 36.710,
228.897

■ 65, 36.030,
225.610

■ 66, 34.810,
223.035

■ 68, 32.829,
220.989

■ 69, 30.043,
219.405

■ 71, 26.470,
218.209

■ 73, 22.171,
217.331

■ 75, 17.235,
216.714

■ 77, 11.760,

216.309

■ 80, 5.845, 216.098

Harmonies

Complementary

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



64, 36.672, 228.691



44, 84.417, 42.392

Rectangle

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



64, 36.672, 228.691



64, 36.672, 278.691



64, 36.672, 48.691



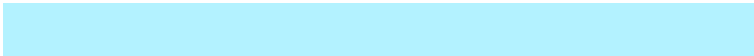
64, 36.672, 98.691

Sweetspot

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



64, 36.671, 228.691



92, 21.096, 216.768



72, 96.412, 137.887



48, 14.148, 217.014



0, 0.000, 0.000



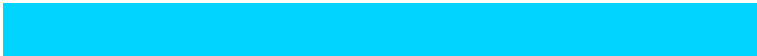
53, 0.007, 296.813

Same Dimension

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



64, 36.671, 228.691



79, 43.560, 229.388



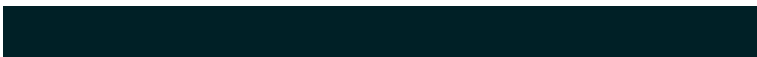
35, 82.432, 296.628



42, 3.558, 216.099



53, 31.540, 228.364



10, 11.811, 220.932

Inverse Universe

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



46, 85.296, 336.299



58, 101.084, 336.485



62, 69.377, 75.593



40, 6.709, 329.989



38, 73.482, 336.217



5, 25.311, 333.899

Previews

White Background



This preview shows how the CIE LCh color 64, 36.672, 228.691 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, 36.672, 228.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

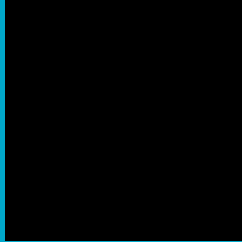
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 36.672, 228.691

Background



This preview shows how black text looks on a background with the CIELCh color 64, 36.672, 228.691.

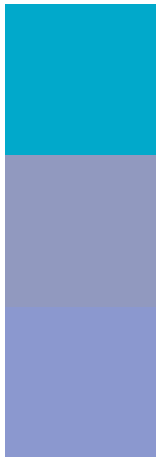


This preview shows how white text looks on a background with the CIELCh color 64, 36.672, 228.691.

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, 36.645, 228.719

Protanopia

64, 21.314, 285.083

Deuteranopia

64, 30.845, 285.647

Trichromacy



Original Color

64, 36.645, 228.719



Protanomaly

63, 27.272, 246.423



Deuteranomaly

63, 32.169, 255.842

Monochromacy



Original Color

64, 36.645, 228.719



Achromatopsia

52, 0.007, 296.813



Achromatomaly

55, 20.625, 217.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 36.672, 228.691 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(1, 169, 203)` looks like.

```
.text, #text, p{  
    color:rgb(1, 169, 203)  
}
```

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(1, 169, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 169, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 36.672, 228.691 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(1, 169, 203) }
```

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

```
.border{ border-color:rgb(1, 169, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 169, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 169, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 169, 203);  
box-shadow:4px 4px 4px 4px rgb(1, 169,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 36.672, 228.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(1, 169, 203) }
```

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

```
.background{ background-color:rgb(1, 169,  
203) }
```

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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