

Converting Colors

CIELCh(65, 36.757, 226.891)

Have a look what the booklet for
CIELCh(65, 36.757, 226.891)
contains.

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Color

CIELCh(65, 36.775, 227.440)

Conversions

Conversions Part 1

Format	Color
Hex	07ACCD
RGB	7, 172, 205
RGB Percent	3%, 67%, 80%
CMY	0.9720, 0.3247, 0.1952
CMYK	0.97, 0.16, 0.00, 0.20
HSL	190°, 93%, 42%
HSV	190°, 97%, 80%
XYZ	25.9255, 34.0472, 63.0971
YIQ	126.4270, -108.9330, -24.7170

Conversions

Conversions Part 2

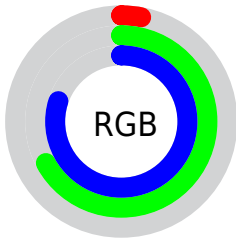
Format	Color
RYB	7, 97, 205
Decimal	502989
CIELab	65.00, -24.87, -27.09
CIELCh	65, 36.775, 227.440
Yxy	34.0472, 0.2107, 0.2766
Android (android.graphics.Color)	4278693069 (0xFF07ACCD)
YUV	126.4270, 38.7365, -104.7375
Hunter-Lab	58.3500, -22.8029, -23.2686

Details

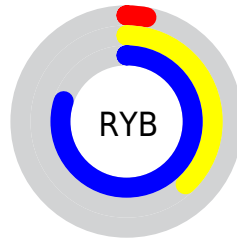
The CIELCh color **65, 36.775, 227.440** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 83.212, 42.103**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.902, 220.985**, and **46, 29.860, 237.444** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.969, 228.529**, and if you desaturate by 10%, it is **66, 36.030, 224.497**.

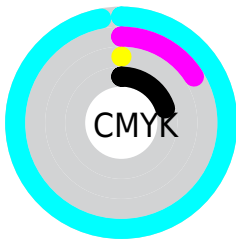
Distribution



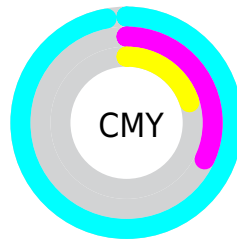
- Red (3%)
- Green (67%)
- Blue (80%)



- Red (3%)
- Yellow (38%)
- Blue (80%)



- Cyan (97%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)





- Cyan (97%)
- Magenta (32%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.775, 227.440 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, 36.775, 227.440 by changing the saturation by 10% instead.


 65, 36.775,
227.440


 65, 36.775,
227.440


 100, 36.775,
227.440


 55, 36.775,
227.440


 85, 36.775,
227.440

 45, 36.775,
227.440

 95, 36.775,
227.440

 35, 36.775,
227.440

 25, 36.775,
227.440

 15, 36.775,
227.440

 5, 36.775, 227.440

 0, 36.775, 227.440

■ 65, 36.775,
227.440

■ 65, 36.775,
227.440

■ 65, 36.969,
228.529

■ 66, 36.030,
224.497

■ 68, 34.604,
222.103

■ 69, 32.388,
220.217

■ 71, 29.357,
218.768

■ 72, 25.543,
217.684

■ 74, 21.019,
216.899

■ 76, 15.878,
216.357

■ 79, 10.220,

216.016

■ 81, 4.145, 215.886

Harmonies

Complementary

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



65, 36.775, 227.440



45, 83.212, 42.103

Rectangle

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



65, 36.775, 227.440



65, 36.775, 277.440



65, 36.775, 47.440



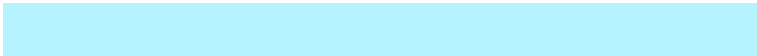
65, 36.775, 97.440

Sweetspot

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



65, 36.774, 227.440



92, 20.493, 216.489



72, 96.660, 137.912



48, 13.824, 216.723



0, 0.000, 0.000



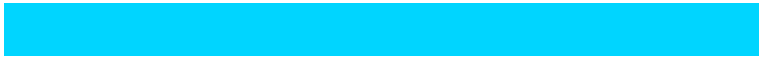
53, 0.007, 296.813

Same Dimension

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



65, 36.774, 227.440



79, 43.552, 228.992



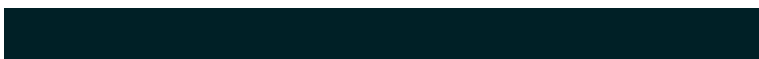
37, 78.382, 294.713



42, 3.562, 215.893



53, 31.538, 227.979



10, 11.817, 220.636

Inverse Universe

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



47, 85.785, 335.961



58, 101.224, 336.381



62, 69.028, 74.699



40, 6.718, 329.929



38, 73.581, 336.116



5, 25.348, 333.819

Previews

White Background



This preview shows how the CIE LCh color 65, 36.775, 227.440 looks on a white background.

Color Contrast Check

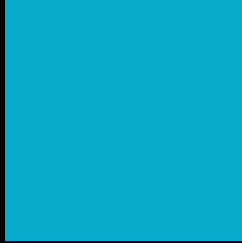
Large Text (above 18pt) WCAG AA × Fail

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 65, 36.775, 227.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

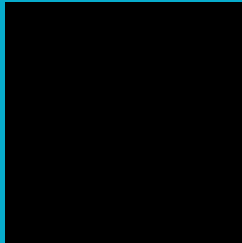
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 36.775, 227.440

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.775, 227.440.

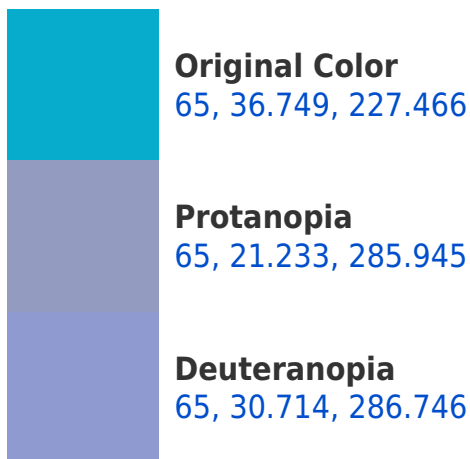


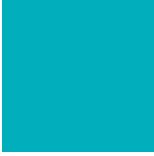
This preview shows how white text looks on a background with the CIELCh color 65, 36.775, 227.440.

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, 36.749, 227.466



Protanomaly
63, 26.951, 247.054



Deuteranomaly
64, 31.499, 255.522



Tritanomaly
65, 36.021, 215.996

Monochromacy



Original Color
65, 36.749, 227.466



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 20.397, 217.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.775, 227.440 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(7, 172, 205)` looks like.

```
.text, #text, p{  
    color:rgb(7, 172, 205)  
}
```

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(7, 172, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 172, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.775, 227.440 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(7, 172, 205) }
```

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

```
.border{ border-color:rgb(7, 172, 205) }
```

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

Here you see how a box with a 4 pixel rgb(7, 172, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 172, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 172, 205);  
box-shadow:4px 4px 4px 4px rgb(7, 172,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.775, 227.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 172, 205) }
```

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

```
.background{ background-color: rgb(7, 172,  
205) }
```

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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