

# Converting Colors

CIELCh(59, 76.449, 210.026)

Have a look what the booklet for  
CIELCh(59, 76.449, 210.026)  
contains.

<b>CIELCh(65, 37.404, 231.040)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(65, 37.404, 231.040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04ACD1
RGB	4, 172, 209
RGB Percent	2%, 67%, 82%
CMY	0.9832, 0.3263, 0.1811
CMYK	0.98, 0.18, 0.00, 0.18
HSL	191°, 96%, 42%
HSV	191°, 98%, 82%
XYZ	26.2517, 34.0472, 65.3919
YIQ	125.9860, -112.0050, -24.1090

# Conversions

## Conversions Part 2

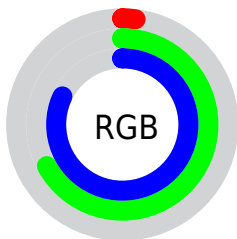
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 96, 209
Decimal	306385
CIE Lab	65.00, -23.52, -29.08
CIE LCh	65, 37.404, 231.040
Yxy	34.0472, 0.2089, 0.2709
Android (android.graphics.Color)	4278496465 (0xFF04ACD1)
YUV	125.9860, 40.9259, -106.9817
Hunter-Lab	58.3500, -21.8050, -25.6004

# Details

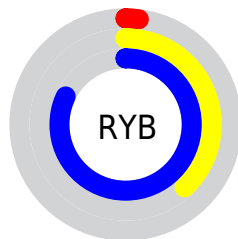
The CIELCh color **65, 37.404, 231.040** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **46, 84.839, 42.599**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 35.902, 220.985**, and **46, 30.626, 240.785** is the 20% darker color. If you saturate the color by 10%, you get **65, 37.543, 231.740**, and if you desaturate by 10%, it is **66, 36.619, 227.741**.

# Distribution



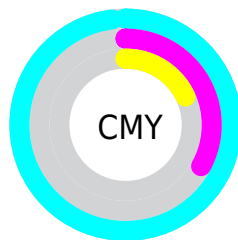
- Red (2%)
- Green (67%)
- Blue (82%)



- Red (2%)
- Yellow (38%)
- Blue (82%)



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




- Cyan (98%)
- Magenta (33%)
- Yellow (18%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 37.404, 231.040 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, 37.404, 231.040 by changing the saturation by 10% instead.





 65, 37.404,  
231.040


 65, 37.404,  
231.040


 100, 37.404,  
231.040


 55, 37.404,  
231.040


 85, 37.404,  
231.040

 45, 37.404,  
231.040

 95, 37.404,  
231.040

 35, 37.404,  
231.040

 25, 37.404,  
231.040

 15, 37.404,  
231.040

 5, 37.404, 231.040

 0, 37.404, 231.040

■ 65, 37.404,  
231.040

■ 65, 37.404,  
231.040

■ 65, 37.543,  
231.740

■ 66, 36.619,  
227.741

■ 68, 35.216,  
225.013

■ 69, 33.048,  
222.844

■ 71, 30.075,  
221.158

■ 73, 26.319,  
219.879

■ 75, 21.847,  
218.933

■ 77, 16.747,  
218.256

■ 79, 11.120,

217.801

■ 82, 5.064, 217.556

# Harmonies

# Complementary

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



65, 37.404, 231.040



46, 84.839, 42.599

# Rectangle

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



65, 37.404, 231.040



65, 37.404, 281.040



65, 37.404, 51.040



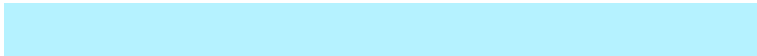
65, 37.404, 101.040

# Sweetspot

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



65, 37.403, 231.040



92, 20.328, 218.336



73, 97.863, 138.028



48, 13.716, 218.612



0, 0.000, 0.000



53, 0.007, 296.813



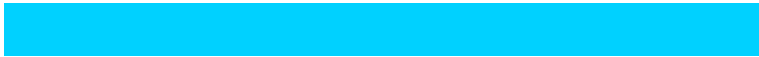


# Same Dimension

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



65, 37.403, 231.040



78, 43.673, 232.201



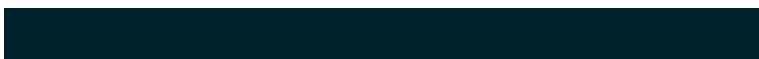
37, 83.000, 296.229



43, 3.603, 217.575



53, 31.954, 231.144



11, 12.222, 223.570



# Inverse Universe

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



48, 86.090, 336.914



58, 100.107, 337.233



64, 70.417, 75.876



41, 6.786, 330.421



38, 73.602, 336.950



5, 27.054, 334.767



# Previews

## White Background



This preview shows how the CIE LCh color 65, 37.404, 231.040 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, 37.404, 231.040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

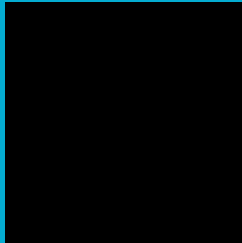
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 37.404, 231.040**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 37.404, 231.040.



This preview shows how white text looks on a background with the CIELCh color 65, 37.404, 231.040.

# 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

65, 37.432, 230.973

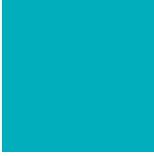
### Protanopia

65, 23.463, 286.039

### Deuteranopia

65, 32.443, 285.118





**Tritanopia**  
65, 36.298, 209.212

# Trichromacy



**Original Color**  
65, 37.432, 230.973



**Protanomaly**  
63, 28.675, 250.075



**Deuteranomaly**  
64, 33.064, 256.753



**Tritanomaly**  
65, 36.125, 217.876

# Monochromacy



**Original Color**  
65, 37.432, 230.973



**Achromatopsia**  
53, 0.007, 296.813



**Achromatomaly**  
56, 20.741, 218.957

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 37.404, 231.040 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, 172, 209)` looks like.

```
.text, #text, p{  
    color:rgb(4, 172, 209)  
}
```

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, 172, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 172, 209) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 37.404, 231.040 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, 172, 209) }
```

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

```
.border{ border-color:rgb(4, 172, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 172, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 172, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 172, 209);  
box-shadow:4px 4px 4px 4px rgb(4, 172,  
209) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 37.404, 231.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 172, 209) }
```

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

```
.background{ background-color: rgb(4, 172,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor