

Converting Colors

CIELCh(62, 37.150, 235.732)

Have a look what the booklet for
CIELCh(62, 37.150, 235.732)
contains.

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Color

CIELCh(62, 36.969, 235.196)

Conversions

Conversions Part 1

Format	Color
Hex	00A3CB
RGB	0, 163, 203
RGB Percent	0%, 64%, 80%
CMY	1.0000, 0.3617, 0.2049
CMYK	1.00, 0.20, 0.00, 0.20
HSL	192°, 100%, 40%
HSV	192°, 100%, 80%
XYZ	23.7902, 30.4025, 60.9600
YIQ	118.8230, -109.9880, -22.1160

Conversions

Conversions Part 2

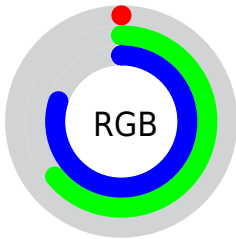
Format	Color
RYB	0, 90, 203
Decimal	41931
CIELab	62.00, -21.10, -30.36
CIELCh	62, 36.969, 235.196
Yxy	30.4025, 0.2066, 0.2640
Android (android.graphics.Color)	4278232011 (0xFF00A3CB)
YUV	118.8230, 41.4993, -104.2078
Hunter-Lab	55.1385, -19.4762, -26.9529

Details

The CIELCh color **62, 36.969, 235.196** 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, 83.763, 43.266**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 35.875, 231.154**, and **44, 30.673, 246.408** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.939, 235.233**, and if you desaturate by 10%, it is **63, 36.076, 231.583**.

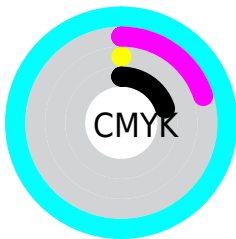
Distribution



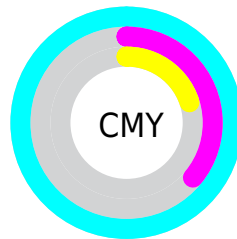
- Red (0%)
- Green (64%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (36%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 36.969, 235.196 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 62, 36.969, 235.196 by changing the saturation by 10% instead.


 62, 36.969,
235.196


 62, 36.969,
235.196


 100, 36.969,
235.196


 52, 36.969,
235.196


 82, 36.969,
235.196

 42, 36.969,
235.196

 92, 36.969,
235.196

 32, 36.969,
235.196

 22, 36.969,
235.196

 12, 36.969,
235.196

 2, 36.969, 235.196

 0, 36.969, 235.196

■ 62, 36.969,
235.196

■ 62, 36.969,
235.196

■ 62, 36.939,
235.233

■ 63, 36.076,
231.583

■ 65, 34.731,
228.473

■ 66, 32.691,
225.968

■ 68, 29.898,
223.999

■ 70, 26.358,
222.482

■ 72, 22.125,
221.338

■ 74, 17.280,
220.496

■ 77, 11.917,

219.899

■ 79, 6.128, 219.520

Harmonies

Complementary

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



62, 36.969, 235.196



44, 83.763, 43.266

Rectangle

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



62, 36.969, 235.196



62, 36.969, 285.196



62, 36.969, 55.196



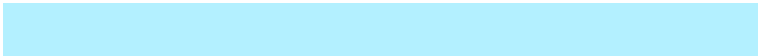
62, 36.969, 105.196

Sweetspot

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



62, 36.939, 235.233



91, 20.784, 220.525



71, 95.779, 138.124



47, 13.947, 220.856



0, 0.000, 0.000



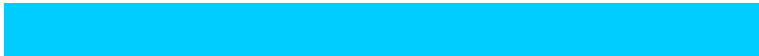
53, 0.007, 296.813

Same Dimension

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



62, 36.939, 235.233



77, 43.961, 235.814



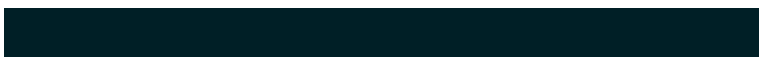
34, 85.022, 297.728



42, 3.499, 219.505



51, 31.761, 234.616



10, 11.745, 225.801

Inverse Universe

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



46, 83.357, 338.063



58, 98.878, 338.226



63, 69.523, 77.027



40, 6.574, 330.984



37, 71.916, 337.892



5, 24.714, 335.245

Previews

White Background



This preview shows how the CIE LCh color 62, 36.969, 235.196 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 62, 36.969, 235.196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

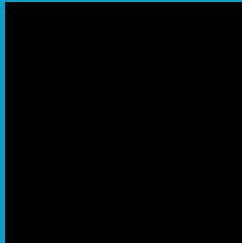
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 36.969, 235.196

Background



This preview shows how black text looks on a background with the CIELCh color 62, 36.969, 235.196.

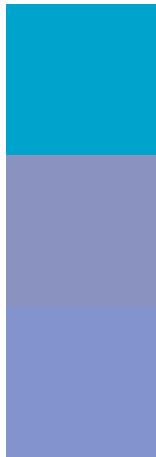


This preview shows how white text looks on a background with the CIELCh color 62, 36.969, 235.196.

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

62, 36.969, 235.196

Protanopia

62, 24.823, 285.894

Deuteranopia

62, 33.361, 284.554



Tritanopia
62, 35.073, 208.814

Trichromacy



Original Color
62, 36.969, 235.196



Protanomaly
61, 29.347, 252.774



Deuteranomaly
61, 33.980, 258.829



Tritanomaly
62, 34.990, 218.808

Monochromacy



Original Color
62, 36.969, 235.196



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 20.353, 221.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 36.969, 235.196 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(0, 163, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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(0, 163, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 36.969, 235.196 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(0, 163, 203) }
```

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

```
.border{ border-color:rgb(0, 163, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 36.969, 235.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 203) }
```

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

```
.background{ background-color: rgb(0, 163,  
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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