

Converting Colors

CIELCh(62, 36.820, 238.677)

Have a look what the booklet for
CIELCh(62, 36.820, 238.677)
contains.

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Color

CIELCh(62, 36.879, 238.890)

Conversions

Conversions Part 1

Format	Color
Hex	16A2CD
RGB	22, 162, 205
RGB Percent	9%, 64%, 80%
CMY	0.9141, 0.3648, 0.1962
CMYK	0.89, 0.21, 0.00, 0.20
HSL	194°, 81%, 44%
HSV	194°, 89%, 80%
XYZ	24.2567, 30.4025, 62.3228
YIQ	125.0420, -97.2430, -16.3070

Conversions

Conversions Part 2

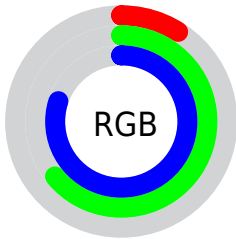
Format	Color
R_{YB}	22, 101, 205
Decimal	1483469
CIE _{Lab}	62.00, -19.05, -31.57
CIE _{LCh}	62, 36.879, 238.890
Yxy	30.4025, 0.2074, 0.2599
Android (android.graphics.Color)	4279673549 (0xFF16A2CD)
YUV	125.0420, 39.4193, -90.3678
Hunter-Lab	55.1385, -17.9661, -28.4183

Details

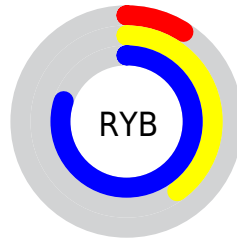
The CIELCh color **62, 36.879, 238.890** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **48, 75.387, 44.708**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 35.156, 233.087**, and **43, 31.597, 249.776** is the 20% darker color. If you saturate the color by 10%, you get **60, 38.180, 243.135**, and if you desaturate by 10%, it is **64, 35.160, 235.241**.

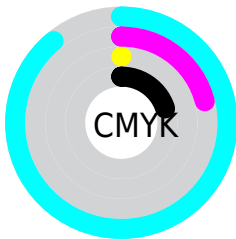
Distribution



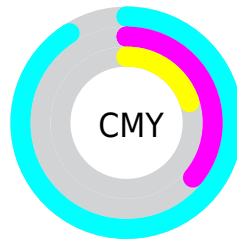
- Red (9%)
- Green (64%)
- Blue (80%)



- Red (9%)
- Yellow (40%)
- Blue (80%)



- Cyan (89%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)





- Cyan (91%)
- Magenta (36%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 36.879, 238.890 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, 36.879, 238.890 by changing the saturation by 10% instead.


 62, 36.879,
238.890


 62, 36.879,
238.890


 100, 36.879,
238.890


 52, 36.879,
238.890


 82, 36.879,
238.890

 42, 36.879,
238.890

 92, 36.879,
238.890

 32, 36.879,
238.890

 22, 36.879,
238.890

 12, 36.879,
238.890

 2, 36.879, 238.890

 0, 36.879, 238.890

■ 62, 36.879,
238.890

■ 62, 36.879,
238.890

■ 60, 38.180,
243.135

■ 64, 35.160,
235.241

■ 60, 38.271,
243.428

■ 66, 32.826,
232.261

■ 68, 29.808,
229.884

■ 70, 26.103,
228.021

■ 72, 21.758,
226.583

■ 75, 16.847,
225.489

■ 77, 11.456,
224.675

■ 80, 5.672, 224.108

Harmonies

Complementary

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



62, 36.879, 238.890



48, 75.387, 44.708

Rectangle

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



62, 36.879, 238.890



62, 36.879, 288.890



62, 36.879, 58.890



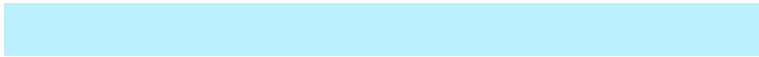
62, 36.879, 108.890

Sweetspot

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



62, 36.878, 238.890



91, 18.652, 225.308



72, 88.600, 140.988



48, 12.420, 225.633



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, 36.878, 238.890



74, 45.252, 244.062



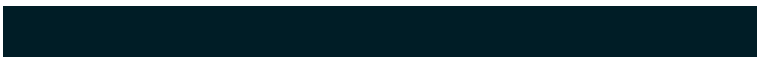
36, 81.857, 296.818



42, 3.441, 224.112



49, 32.575, 242.680



9, 11.760, 232.382

Inverse Universe

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



47, 80.765, 339.062



57, 96.158, 340.663



67, 68.081, 83.824



40, 6.400, 332.348



37, 69.978, 340.234



5, 23.959, 337.132

Previews

White Background



This preview shows how the CIE LCh color 62, 36.879, 238.890 looks on a white background.

Color Contrast Check

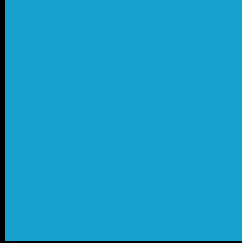
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 62, 36.879, 238.890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

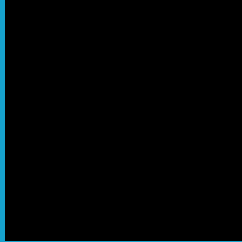
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 36.879, 238.890

Background



This preview shows how black text looks on a background with the CIELCh color 62, 36.879, 238.890.

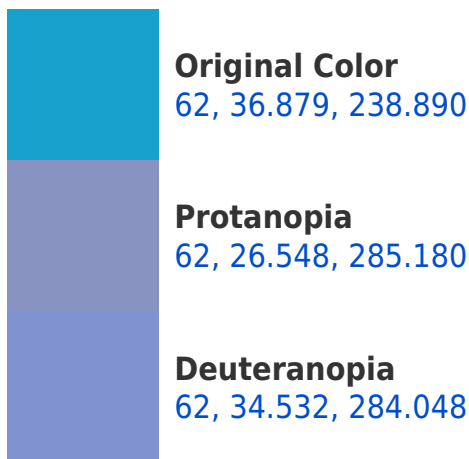


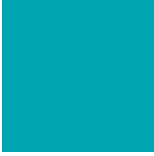
This preview shows how white text looks on a background with the CIELCh color 62, 36.879, 238.890.

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
62, 34.914, 208.885

Trichromacy



Original Color
62, 36.879, 238.890



Protanomaly
61, 29.999, 259.107



Deuteranomaly
61, 34.613, 263.058



Tritanomaly
62, 34.649, 220.120

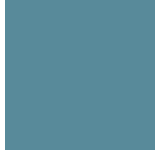
Monochromacy



Original Color
62, 36.879, 238.890



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 18.564, 228.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 36.879, 238.890 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(22, 162, 205)` looks like.

```
.text, #text, p{  
    color:rgb(22, 162, 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(22, 162, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 162, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 36.879, 238.890 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(22, 162, 205) }
```

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

```
.border{ border-color:rgb(22, 162, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 162, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 162, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 162, 205);  
box-shadow:4px 4px 4px 4px rgb(22, 162,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 36.879, 238.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 162, 205) }
```

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

```
.background{ background-color: rgb(22, 162,  
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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