

Converting Colors

CIELCh(60, 36.993, 240.618)

Have a look what the booklet for
CIELCh(60, 36.993, 240.618)
contains.

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Color

CIELCh(60, 37.147, 241.302)

Conversions

Conversions Part 1

Format	Color
Hex	099CC9
RGB	9, 156, 201
RGB Percent	4%, 61%, 79%
CMY	0.9648, 0.3875, 0.2110
CMYK	0.96, 0.22, 0.00, 0.21
HSL	194°, 91%, 41%
HSV	194°, 96%, 79%
XYZ	22.5973, 28.1233, 59.6166
YIQ	117.1770, -102.0570, -17.1690

Conversions

Conversions Part 2

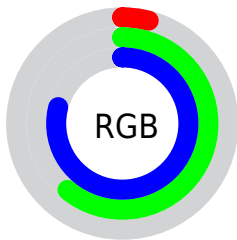
Format	Color
R_{YB}	9, 92, 201
Decimal	629961
CIE _{Lab}	60.00, -17.84, -32.58
CIE _{LCh}	60, 37.147, 241.302
Yxy	28.1233, 0.2048, 0.2549
Android (android.graphics.Color)	4278820041 (0xFF099CC9)
YUV	117.1770, 41.3247, -94.8712
Hunter-Lab	53.0314, -16.7442, -29.5303

Details

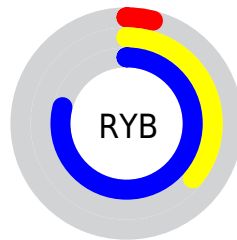
The CIELCh color **60, 37.147, 241.302** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **46, 78.873, 44.507**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 36.303, 238.517**, and **42, 31.547, 252.415** is the 20% darker color. If you saturate the color by 10%, you get **59, 37.707, 243.214**, and if you desaturate by 10%, it is **62, 35.763, 237.253**.

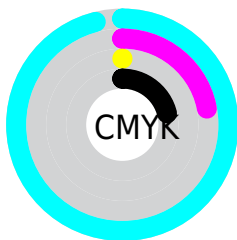
Distribution



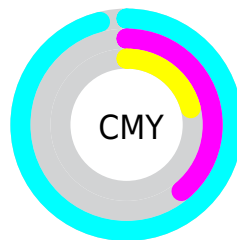
- Red (4%)
- Green (61%)
- Blue (79%)



- Red (4%)
- Yellow (36%)
- Blue (79%)



- Cyan (96%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)





- Cyan (96%)
- Magenta (39%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 37.147, 241.302 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 60, 37.147, 241.302 by changing the saturation by 10% instead.


 60, 37.147,
241.302


 60, 37.147,
241.302


 100, 37.147,
241.302


 50, 37.147,
241.302


 80, 37.147,
241.302

 40, 37.147,
241.302

 90, 37.147,
241.302

 30, 37.147,
241.302

 20, 37.147,
241.302

 10, 37.147,
241.302

 0, 37.147, 241.302

 60, 37.147,

 60, 37.147,

241.302

241.302

■ 59, 37.707,
243.214

■ 62, 35.763,
237.253

■ 63, 33.855,
233.882

■ 65, 31.304,
231.156

■ 67, 28.071,
228.998

■ 70, 24.174,
227.317

■ 72, 19.672,
226.027

■ 74, 14.644,
225.052

■ 77, 9.176, 224.338

Harmonies

Complementary

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



60, 37.147, 241.302



46, 78.873, 44.507

Rectangle

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



60, 37.147, 241.302



60, 37.147, 291.302



60, 37.147, 61.302



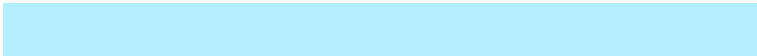
60, 37.147, 111.302

Sweetspot

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



60, 37.146, 241.302



91, 19.900, 225.396



71, 90.668, 139.920



47, 13.444, 225.829



0, 0.000, 0.000



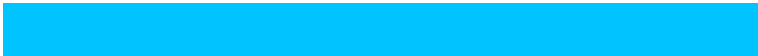
53, 0.007, 296.813

Same Dimension

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



60, 37.146, 241.302



74, 45.219, 243.907



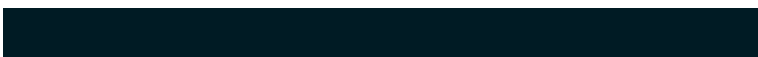
33, 86.623, 298.782



41, 3.371, 224.020



49, 32.176, 242.468



8, 11.124, 232.558

Inverse Universe

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



46, 80.397, 339.803



57, 96.208, 340.614



65, 68.790, 82.634



39, 6.271, 332.319



37, 69.232, 340.169



4, 21.778, 336.784

Previews

White Background



This preview shows how the CIELCh color 60, 37.147, 241.302 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 37.147, 241.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

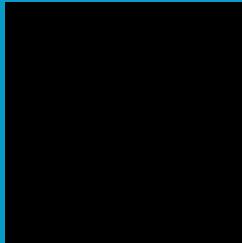
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 37.147, 241.302

Background



This preview shows how black text looks on a background with the CIELCh color 60, 37.147, 241.302.

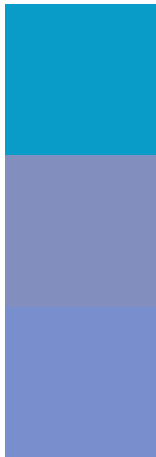


This preview shows how white text looks on a background with the CIELCh color 60, 37.147, 241.302.

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

60, 37.123, 241.338

Protanopia

60, 27.299, 284.888

Deuteranopia

60, 35.362, 283.546



Tritanopia
60, 34.159, 208.238

Trichromacy



Original Color
60, 37.123, 241.338

Protanomaly
59, 30.966, 258.716

Deuteranomaly
59, 35.521, 262.880

Tritanomaly
60, 34.062, 220.689

Monochromacy



Original Color
60, 37.123, 241.338

Achromatopsia
49, 0.007, 296.813

Achromatomaly
52, 19.472, 228.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 37.147, 241.302 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(9, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(9, 156, 201)  
}
```

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(9, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 156, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 37.147, 241.302 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(9, 156, 201) }
```

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

```
.border{ border-color:rgb(9, 156, 201) }
```

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

Here you see how a box with a 4 pixel rgb(9, 156, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(9, 156,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 37.147, 241.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 156, 201) }
```

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

```
.background{ background-color: rgb(9, 156,  
201) }
```

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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