

Converting Colors

CIELCh(63, 41.063, 248.334)

Have a look what the booklet for
CIELCh(63, 41.063, 248.334)
contains.

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Color

CIELCh(63, 41.302, 249.076)

Conversions

Conversions Part 1

Format	Color
Hex	0DA3DC
RGB	13, 163, 220
RGB Percent	5%, 64%, 86%
CMY	0.9497, 0.3594, 0.1358
CMYK	0.94, 0.26, 0.00, 0.14
HSL	196°, 89%, 46%
HSV	196°, 94%, 86%
XYZ	26.2875, 31.5869, 72.6749
YIQ	124.6480, -107.6970, -14.0730

Conversions

Conversions Part 2

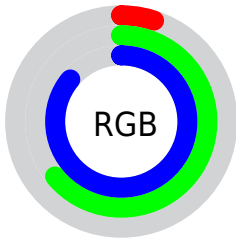
Format	Color
R_{YB}	13, 100, 220
Decimal	893916
CIE _{Lab}	63.00, -14.75, -38.58
CIE _{LCh}	63, 41.302, 249.076
Yxy	31.5869, 0.2014, 0.2420
Android (android.graphics.Color)	4279083996 (0xFF0DA3DC)
YUV	124.6480, 47.0085, -97.9153
Hunter-Lab	56.2022, -14.8639, -37.3261

Details

The CIELCh color **63, 41.302, 249.076** 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 **51, 82.174, 46.423**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 35.121, 232.010**, and **44, 36.827, 260.551** is the 20% darker color. If you saturate the color by 10%, you get **62, 42.436, 251.884**, and if you desaturate by 10%, it is **65, 39.217, 244.574**.

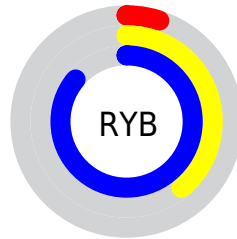
Distribution



Red (5%)

Green (64%)

Blue (86%)



Red (5%)

Yellow (39%)

Blue (86%)

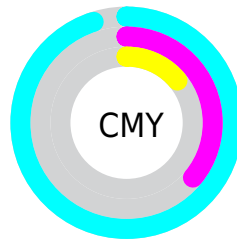


Cyan (94%)

Magenta (26%)

Yellow (0%)

Black (14%)



Cyan (95%)


Magenta (36%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 41.302, 249.076 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 63, 41.302, 249.076 by changing the saturation by 10% instead.


 63, 41.302,
249.076


 63, 41.302,
249.076


 100, 41.302,
249.076


 53, 41.302,
249.076


 83, 41.302,
249.076

 43, 41.302,
249.076

 93, 41.302,
249.076

 33, 41.302,
249.076

 23, 41.302,
249.076

 13, 41.302,
249.076

 3, 41.302, 249.076

 0, 41.302, 249.076

63, 41.302,
249.076

63, 41.302,
249.076

62, 42.436,
251.884

65, 39.217,
244.574

67, 36.677,
240.764

70, 33.546,
237.639

72, 29.770,
235.130

75, 25.361,
233.144

77, 20.370,
231.590

80, 14.874,
230.386

83, 8.958, 229.471

Harmonies

Complementary

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



63, 41.302, 249.076



51, 82.174, 46.423

Rectangle

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



63, 41.302, 249.076



63, 41.302, 299.076



63, 41.302, 69.076



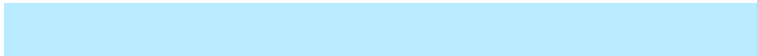
63, 41.302, 119.076

Sweetspot

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



63, 41.301, 249.077



90, 19.155, 230.836



77, 94.579, 140.985



47, 13.039, 231.376



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 41.301, 249.077



71, 47.535, 252.330



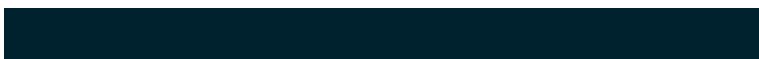
35, 96.141, 299.998



45, 3.612, 229.134



49, 35.270, 251.009



11, 13.449, 241.279

Inverse Universe

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



50, 83.675, 342.292



57, 93.506, 343.449



73, 74.354, 85.734



43, 6.602, 333.882



39, 70.342, 342.974



6, 28.504, 339.848

Previews

White Background



This preview shows how the CIE LCh color 63, 41.302, 249.076 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 63, 41.302, 249.076 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 63, 41.302, 249.076

Background



This preview shows how black text looks on a background with the CIELCh color 63, 41.302, 249.076.

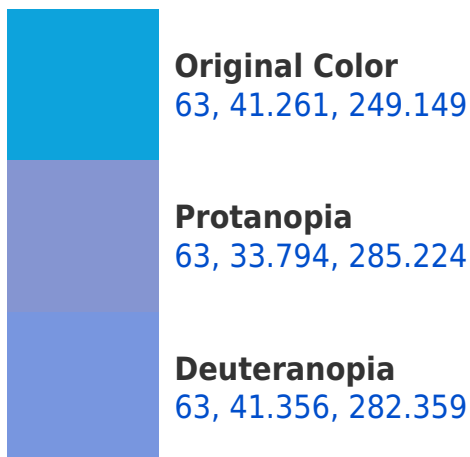


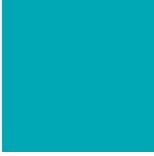
This preview shows how white text looks on a background with the CIELCh color 63, 41.302, 249.076.

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
63, 35.390, 208.673

Trichromacy



Original Color
63, 41.261, 249.149



Protanomaly
62, 36.572, 264.636



Deuteranomaly
62, 40.945, 266.407



Tritanomaly
63, 35.478, 224.635

Monochromacy



Original Color
63, 41.261, 249.149



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 20.821, 233.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 41.302, 249.076 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(13, 163, 220)` looks like.

```
.text, #text, p{  
    color:rgb(13, 163, 220)  
}
```

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(13, 163, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 163, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 41.302, 249.076 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(13, 163, 220) }
```

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

```
.border{ border-color:rgb(13, 163, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 163, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 163, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 163, 220);  
box-shadow:4px 4px 4px 4px rgb(13, 163,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 41.302, 249.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 163, 220) }
```

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

```
.background{ background-color: rgb(13, 163,  
220) }
```

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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