

Converting Colors

CIELCh(63, 34.446, 233.162)

Have a look what the booklet for
CIELCh(63, 34.446, 233.162)
contains.

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Color

CIELCh(63, 34.493, 233.582)

Conversions

Conversions Part 1

Format	Color
Hex	2AA5C9
RGB	42, 165, 201
RGB Percent	16%, 65%, 79%
CMY	0.8357, 0.3532, 0.2121
CMYK	0.79, 0.18, 0.00, 0.21
HSL	194°, 65%, 48%
HSV	194°, 79%, 79%
XYZ	24.9253, 31.5869, 59.9947
YIQ	132.3270, -84.8640, -14.8800

Conversions

Conversions Part 2

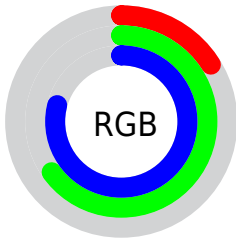
Format	Color
R_{YB}	42, 111, 201
Decimal	2794953
CIE _{Lab}	63.00, -20.48, -27.76
CIE _{LCh}	63, 34.493, 233.582
Yxy	31.5869, 0.2139, 0.2711
Android (android.graphics.Color)	4280985033 (0xFF2AA5C9)
YUV	132.3270, 33.8558, -79.2168
Hunter-Lab	56.2022, -19.1905, -23.9493




Details

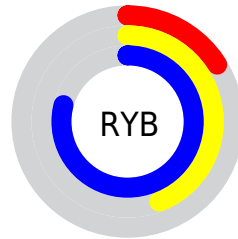
The CIELCh color **63, 34.493, 233.582** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **50, 65.346, 43.818**, and the grayscale version is **55, 0.007, 296.813**.




A 20% lighter version of the original color is **83, 33.961, 231.119**, and **44, 29.675, 241.440** is the 20% darker color. If you saturate the color by 10%, you get **61, 36.117, 237.087**, and if you desaturate by 10%, it is **65, 32.238, 230.731**.

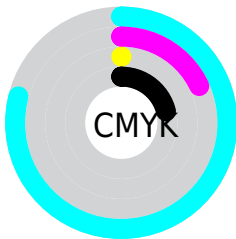
Distribution







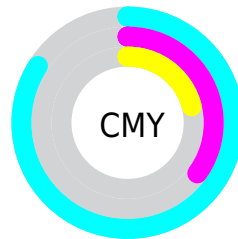
-  Red (16%)
-  Green (65%)
-  Blue (79%)






-  Red (16%)
-  Yellow (44%)
-  Blue (79%)



-  Cyan (79%)
-  Magenta (18%)
-  Yellow (0%)
-  Black (21%)





-  Cyan (84%)
-  Magenta (35%)
-  Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 34.493, 233.582 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, 34.493, 233.582 by changing the saturation by 10% instead.


 63, 34.493,
233.582


 63, 34.493,
233.582


 100, 34.493,
233.582


 53, 34.493,
233.582


 83, 34.493,
233.582

 43, 34.493,
233.582

 93, 34.493,
233.582

 33, 34.493,
233.582

 23, 34.493,
233.582

 13, 34.493,
233.582

 3, 34.493, 233.582

 0, 34.493, 233.582

63, 34.493,
233.582

63, 34.493,
233.582

61, 36.117,
237.087

65, 32.238,
230.731

60, 37.303,
241.187

67, 29.291,
228.466

60, 37.404,
241.537

69, 25.656,
226.698

71, 21.379,
225.340

73, 16.538,
224.314

76, 11.217,
223.558

78, 5.505, 223.043

81, 0.518, 41.503

Harmonies

Complementary

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



63, 34.493, 233.582



50, 65.346, 43.818

Rectangle

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



63, 34.493, 233.582



63, 34.493, 283.582



63, 34.493, 53.582



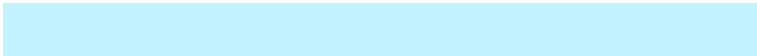
63, 34.493, 103.582

Sweetspot

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



63, 34.492, 233.582



92, 16.788, 223.919



71, 81.526, 142.275



48, 11.397, 224.210



0, 0.000, 0.000



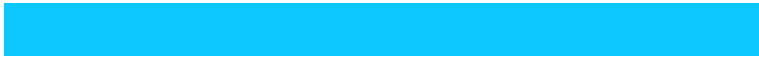
53, 0.007, 296.813

Same Dimension

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



63, 34.492, 233.582



75, 44.243, 240.018



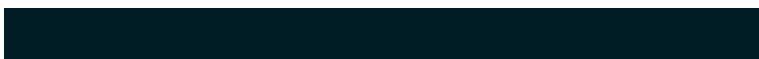
40, 68.793, 292.477



41, 3.381, 223.051



49, 31.964, 240.813



8, 11.124, 231.094

Inverse Universe

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



48, 76.802, 337.460



58, 96.677, 339.421



67, 61.848, 84.212



39, 6.306, 332.029



37, 69.620, 339.670



4, 21.929, 336.368

Previews

White Background



This preview shows how the CIELCh color 63, 34.493, 233.582 looks on a white background.

Color Contrast Check

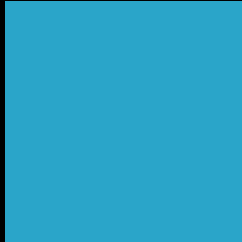
Large Text (above 18pt) WCAG AA × Fail

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 63, 34.493, 233.582 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, 34.493, 233.582

Background



This preview shows how black text looks on a background with the CIELCh color 63, 34.493, 233.582.

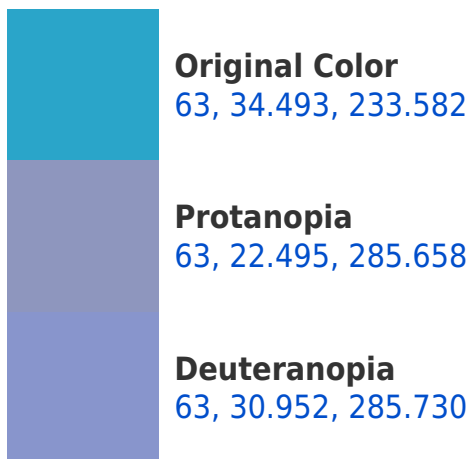


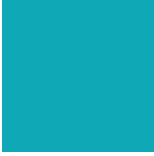
This preview shows how white text looks on a background with the CIELCh color 63, 34.493, 233.582.

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, 34.821, 209.887

Trichromacy



Original Color
63, 34.493, 233.582



Protanomaly
62, 25.924, 256.858



Deuteranomaly
62, 30.364, 261.969



Tritanomaly
63, 34.238, 218.285

Monochromacy



Original Color
63, 34.493, 233.582



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 16.703, 224.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 34.493, 233.582 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(42, 165, 201)` looks like.

```
.text, #text, p{  
    color:rgb(42, 165, 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(42, 165, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 165, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 34.493, 233.582 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(42, 165, 201) }
```

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

```
.border{ border-color:rgb(42, 165, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 165, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 165, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 165, 201);  
box-shadow:4px 4px 4px 4px rgb(42, 165,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 34.493, 233.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 165, 201) }
```

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

```
.background{ background-color: rgb(42, 165,  
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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