

Converting Colors

CIELCh(63, 33.689, 235.637)

Have a look what the booklet for
CIELCh(63, 33.689, 235.637)
contains.

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Color

CIELCh(63, 33.663, 235.966)

Conversions

Conversions Part 1

Format	Color
Hex	34A4C9
RGB	52, 164, 201
RGB Percent	20%, 64%, 79%
CMY	0.7949, 0.3561, 0.2110
CMYK	0.74, 0.18, 0.00, 0.21
HSL	195°, 59%, 50%
HSV	195°, 74%, 79%
XYZ	25.3097, 31.5869, 60.1485
YIQ	134.7300, -78.6290, -12.2370

Conversions

Conversions Part 2

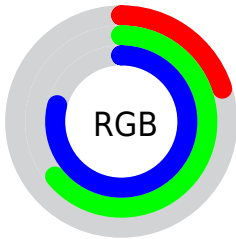
Format	Color
R_{YB}	52, 116, 201
Decimal	3450057
CIE _{Lab}	63.00, -18.84, -27.90
CIE _{LCh}	63, 33.663, 235.966
Yxy	31.5869, 0.2162, 0.2699
Android (android.graphics.Color)	4281640137 (0xFF34A4C9)
YUV	134.7300, 32.6711, -72.5542
Hunter-Lab	56.2022, -17.9696, -24.1115

Details

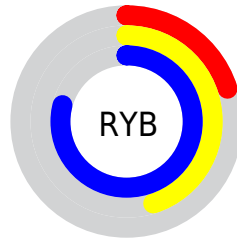
The CIELCh color **63, 33.663, 235.966** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **52, 59.752, 44.989**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 32.986, 233.477**, and **44, 29.851, 242.862** is the 20% darker color. If you saturate the color by 10%, you get **61, 35.789, 239.418**, and if you desaturate by 10%, it is **65, 30.917, 233.168**.

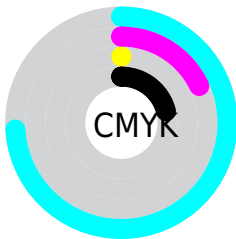
Distribution



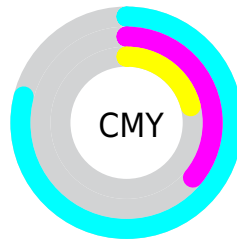
- Red (20%)
- Green (64%)
- Blue (79%)



- Red (20%)
- Yellow (45%)
- Blue (79%)



- Cyan (74%)
- Magenta (18%)
- Yellow (0%)
- Black (21%)





- Cyan (79%)
- Magenta (36%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 33.663, 235.966 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, 33.663, 235.966 by changing the saturation by 10% instead.

 63, 33.663,
235.966


 63, 33.663,
235.966


 100, 33.663,
235.966


 53, 33.663,
235.966


 83, 33.663,
235.966

 43, 33.663,
235.966

 93, 33.663,
235.966

 33, 33.663,
235.966

 23, 33.663,
235.966

 13, 33.663,
235.966

 3, 33.663, 235.966

 0, 33.663, 235.966

■ 63, 33.663,
235.966

■ 63, 33.663,
235.966

■ 61, 35.789,
239.418

■ 65, 30.917,
233.168

■ 59, 37.407,
243.558

■ 67, 27.517,
230.945

■ 58, 38.272,
246.242

■ 69, 23.486,
229.205

■ 72, 18.882,
227.861

■ 74, 13.781,
226.837

■ 77, 8.266, 226.079

■ 80, 2.419, 225.646

■ 83, 3.689, 44.849

Harmonies

Complementary

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



63, 33.663, 235.966



52, 59.752, 44.989

Rectangle

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



63, 33.663, 235.966



63, 33.663, 285.966



63, 33.663, 55.966



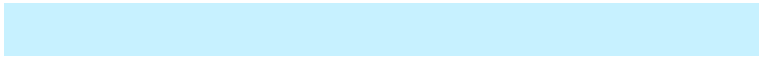
63, 33.663, 105.966

Sweetspot

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



63, 33.662, 235.966



93, 15.388, 226.691



72, 76.778, 143.648



49, 10.254, 226.932



0, 0.000, 0.000



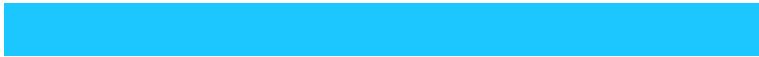
53, 0.007, 296.813

Same Dimension

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



63, 33.662, 235.966



75, 44.048, 241.922



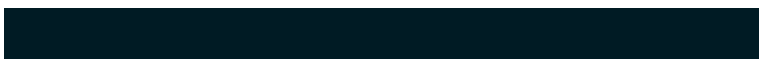
42, 65.513, 291.744



41, 3.355, 225.816



48, 32.630, 245.465



8, 11.139, 235.271

Inverse Universe

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



49, 73.215, 338.063



58, 94.509, 339.971



68, 59.270, 86.374



39, 6.207, 332.859



36, 68.535, 341.107



4, 21.503, 337.567

Previews

White Background



This preview shows how the CIE LCh color 63, 33.663, 235.966 looks on a white background.

Color Contrast Check

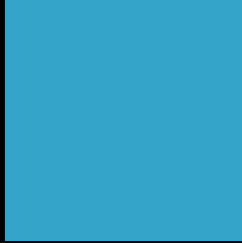
Large Text (above 18pt) WCAG AA × Fail

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, 33.663, 235.966 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, 33.663, 235.966

Background



This preview shows how black text looks on a background with the CIELCh color 63, 33.663, 235.966.



This preview shows how white text looks on a background with the CIELCh color 63, 33.663, 235.966.

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

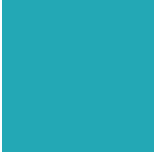
63, 33.663, 235.966

Protanopia

63, 23.080, 285.084

Deuteranopia

63, 31.501, 285.945



Tritanopia
63, 33.520, 209.489

Trichromacy



Original Color
63, 33.663, 235.966



Protanomaly
62, 25.944, 259.230



Deuteranomaly
62, 30.379, 264.341



Tritanomaly
63, 32.917, 218.192

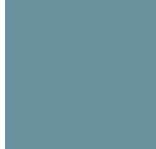
Monochromacy



Original Color
63, 33.663, 235.966



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 15.625, 226.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 33.663, 235.966 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(52, 164, 201)` looks like.

```
.text, #text, p{  
    color:rgb(52, 164, 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(52, 164, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 164, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 33.663, 235.966 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(52, 164, 201) }
```

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

```
.border{ border-color:rgb(52, 164, 201) }
```

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

Here you see how a box with a 4 pixel rgb(52, 164, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 164, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 164, 201);  
box-shadow:4px 4px 4px 4px rgb(52, 164,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 33.663, 235.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 164, 201) }
```

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

```
.background{ background-color: rgb(52, 164,  
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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