

Converting Colors

CIELCh(65, 34.228, 233.582)

Have a look what the booklet for
CIELCh(65, 34.228, 233.582)
contains.

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Color

CIELCh(65, 34.205, 233.738)

Conversions

Conversions Part 1

Format	Color
Hex	35AACE
RGB	53, 170, 206
RGB Percent	21%, 67%, 81%
CMY	0.7910, 0.3326, 0.1914
CMYK	0.74, 0.17, 0.00, 0.19
HSL	194°, 61%, 51%
HSV	194°, 74%, 81%
XYZ	27.0549, 34.0472, 63.6582
YIQ	139.1210, -81.2880, -13.6080

Conversions

Conversions Part 2

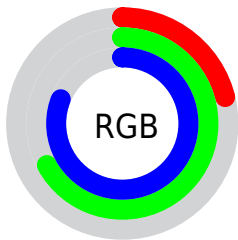
Format	Color
RYB	53, 119, 206
Decimal	3517134
CIELab	65.00, -20.23, -27.58
CIELCh	65, 34.205, 233.738
Yxy	34.0472, 0.2169, 0.2729
Android (android.graphics.Color)	4281707214 (0xFF35AACE)
YUV	139.1210, 32.9713, -75.5281
Hunter-Lab	58.3500, -19.3481, -23.8388

Details

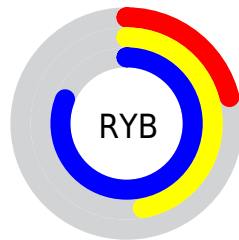
The CIELCh color **65, 34.205, 233.738** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **53, 61.531, 44.102**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 32.605, 226.997**, and **46, 30.245, 239.974** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.239, 237.048**, and if you desaturate by 10%, it is **67, 31.506, 231.069**.

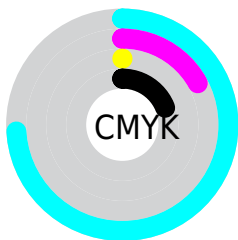
Distribution



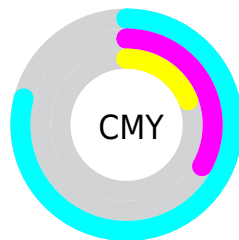
- Red (21%)
- Green (67%)
- Blue (81%)



- Red (21%)
- Yellow (47%)
- Blue (81%)



- Cyan (74%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)





- Cyan (79%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.205, 233.738 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 65, 34.205, 233.738 by changing the saturation by 10% instead.


 65, 34.205,
233.738


 65, 34.205,
233.738


 100, 34.205,
233.738


 55, 34.205,
233.738


 85, 34.205,
233.738

 45, 34.205,
233.738

 95, 34.205,
233.738

 35, 34.205,
233.738

 25, 34.205,
233.738

 15, 34.205,
233.738

 5, 34.205, 233.738

 0, 34.205, 233.738

■ 65, 34.205,
233.738

■ 65, 34.205,
233.738

■ 63, 36.239,
237.048

■ 67, 31.506,
231.069

■ 62, 37.721,
241.040

■ 69, 28.114,
228.961

■ 61, 38.467,
243.573

■ 71, 24.051,
227.321

■ 74, 19.382,
226.064

■ 76, 14.188,
225.117

■ 79, 8.557, 224.426

■ 82, 2.575, 224.047

■ 84, 3.683, 43.309

Harmonies

Complementary

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



65, 34.205, 233.738



53, 61.531, 44.102

Rectangle

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



65, 34.205, 233.738



65, 34.205, 283.738



65, 34.205, 53.738



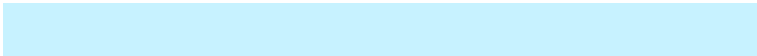
65, 34.205, 103.738

Sweetspot

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



65, 34.204, 233.738



93, 15.442, 224.968



73, 78.415, 143.603



49, 10.287, 225.188



0, 0.000, 0.000



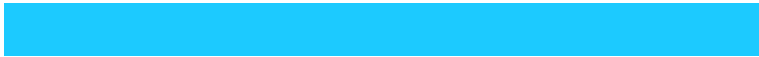
53, 0.007, 296.813

Same Dimension

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



65, 34.204, 233.738



76, 43.633, 239.338



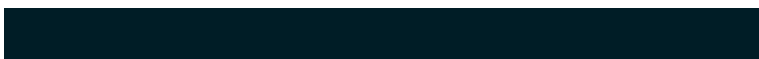
43, 66.997, 291.832



42, 3.440, 224.185



49, 32.592, 242.805



9, 11.761, 232.487

Inverse Universe

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



50, 75.363, 337.436



58, 95.353, 339.197



70, 60.544, 86.332



40, 6.397, 332.370



37, 69.948, 340.273



5, 23.948, 337.163

Previews

White Background



This preview shows how the CIE LCh color 65, 34.205, 233.738 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 65, 34.205, 233.738 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 65, 34.205, 233.738

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.205, 233.738.

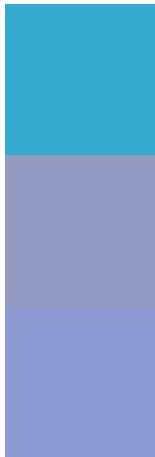


This preview shows how white text looks on a background with the CIELCh color 65, 34.205, 233.738.

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

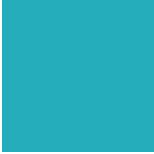
65, 34.205, 233.738

Protanopia

65, 22.364, 285.562

Deuteranopia

65, 31.290, 286.370



Tritanopia
65, 34.168, 211.152

Trichromacy



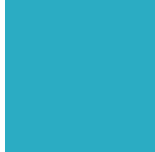
Original Color
65, 34.205, 233.738



Protanomaly
64, 25.267, 256.176



Deuteranomaly
64, 30.380, 263.611



Tritanomaly
65, 33.689, 219.655

Monochromacy



Original Color
65, 34.205, 233.738



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 15.866, 226.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.205, 233.738 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(53, 170, 206)` looks like.

```
.text, #text, p{  
    color:rgb(53, 170, 206)  
}
```

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(53, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 170, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.205, 233.738 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(53, 170, 206) }
```

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

```
.border{ border-color:rgb(53, 170, 206) }
```

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

Here you see how a box with a 4 pixel rgb(53, 170, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(53, 170,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.205, 233.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 170, 206) }
```

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

```
.background{ background-color: rgb(53, 170,  
206) }
```

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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