

Converting Colors

CIELCh(48, 84.606, 209.636)

Have a look what the booklet for
CIELCh(48, 84.606, 209.636)
contains.

CIELCh(55, 34.635, 239.564)	3
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Color

CIELCh(55, 34.635, 239.564)

Conversions

Conversions Part 1

Format	Color
Hex	008FB7
RGB	0, 143, 183
RGB Percent	0%, 56%, 72%
CMY	1.0000, 0.4406, 0.2838
CMYK	1.00, 0.22, 0.00, 0.28
HSL	193°, 100%, 36%
HSV	193°, 100%, 72%
XYZ	18.2565, 22.9298, 48.0578
YIQ	104.8030, -98.0680, -17.8760

Conversions

Conversions Part 2

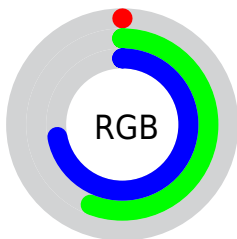
Format	Color
RYB	0, 80, 183
Decimal	36791
CIELab	55.00, -17.55, -29.86
CIELCh	55, 34.635, 239.564
Yxy	22.9298, 0.2046, 0.2569
Android (android.graphics.Color)	4278226871 (0xFF008FB7)
YUV	104.8030, 38.5511, -91.9122
Hunter-Lab	47.8851, -15.7448, -25.9842

Details

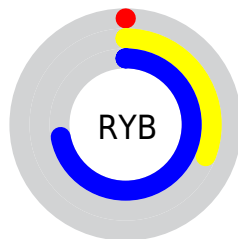
The CIELCh color **55, 34.635, 239.564** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **40, 76.577, 44.137**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 34.515, 239.375**, and **37, 28.683, 251.586** is the 20% darker color. If you saturate the color by 10%, you get **55, 34.590, 239.633**, and if you desaturate by 10%, it is **56, 33.546, 235.712**.

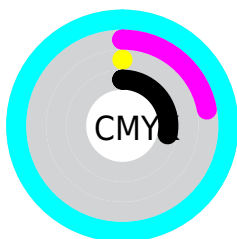
Distribution



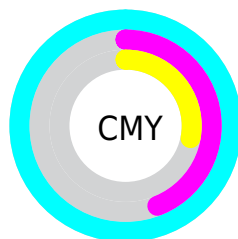
- Red (0%)
- Green (56%)
- Blue (72%)



- Red (0%)
- Yellow (31%)
- Blue (72%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (44%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 34.635, 239.564 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 55, 34.635, 239.564 by changing the saturation by 10% instead.


 55, 34.635,
239.564

 55, 34.635,
239.564


 100, 34.635,
239.564


 45, 34.635,
239.564


 75, 34.635,
239.564

 35, 34.635,
239.564

 85, 34.635,
239.564

 25, 34.635,
239.564

 95, 34.635,
239.564

 15, 34.635,
239.564

 5, 34.635, 239.564

 0, 34.635, 239.564

■ 55, 34.635,
239.564

■ 55, 34.635,
239.564

■ 55, 34.590,
239.633

■ 56, 33.546,
235.712

■ 58, 32.119,
232.319

■ 59, 30.100,
229.562

■ 61, 27.431,
227.373

■ 63, 24.115,
225.667

■ 65, 20.198,
224.359

■ 67, 15.747,
223.374

■ 69, 10.845,

222.651

■ 72, 5.571, 222.159

Harmonies

Complementary

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



55, 34.635, 239.564



40, 76.577, 44.137

Rectangle

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



55, 34.635, 239.564



55, 34.635, 289.564



55, 34.635, 59.564



55, 34.635, 109.564

Sweetspot

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



55, 34.590, 239.633



85, 19.438, 223.416



65, 86.885, 138.944



44, 13.162, 223.801



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



55, 34.590, 239.633



70, 42.187, 240.417



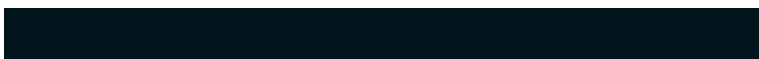
29, 81.994, 299.126



38, 3.175, 222.136



47, 30.665, 239.055



6, 8.516, 232.472

Inverse Universe

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



41, 75.962, 339.320



54, 92.146, 339.552



58, 64.675, 80.362



36, 5.933, 331.752



35, 67.606, 339.151



3, 15.115, 334.905

Previews

White Background



This preview shows how the CIELCh color 55, 34.635, 239.564 looks on a white background.

Color Contrast Check

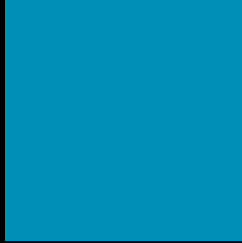
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 55, 34.635, 239.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

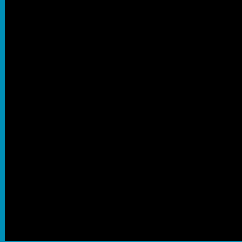
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 34.635, 239.564

Background



This preview shows how black text looks on a background with the CIELCh color 55, 34.635, 239.564.



This preview shows how white text looks on a background with the CIELCh color 55, 34.635, 239.564.

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

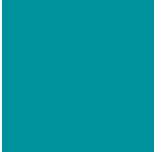
55, 34.635, 239.564

Protanopia

55, 25.428, 285.614

Deuteranopia

55, 32.469, 283.395



Tritanopia
55, 31.944, 208.199

Trichromacy



Original Color
55, 34.635, 239.564

Protanomaly
54, 28.654, 256.965

Deuteranomaly
54, 32.750, 260.995

Tritanomaly
55, 31.860, 219.440

Monochromacy



Original Color
55, 34.635, 239.564

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 18.655, 224.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 34.635, 239.564 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(0, 143, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 183)  
}
```

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(0, 143, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 34.635, 239.564 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(0, 143, 183) }
```

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

```
.border{ border-color:rgb(0, 143, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 34.635, 239.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 183) }
```

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

```
.background{ background-color: rgb(0, 143,  
183) }
```

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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