

Converting Colors

CIELCh(55, 40.566, 255.481)

Have a look what the booklet for
CIELCh(55, 40.566, 255.481)
contains.

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Color

CIELCh(55, 40.499, 255.740)

Conversions

Conversions Part 1

Format	Color
Hex	018CC7
RGB	1, 140, 199
RGB Percent	0%, 55%, 78%
CMY	0.9972, 0.4504, 0.2190
CMYK	1.00, 0.30, 0.00, 0.22
HSL	198°, 99%, 39%
HSV	198°, 100%, 78%
XYZ	19.7316, 22.9298, 57.5066
YIQ	105.1650, -101.7830, -11.1190

Conversions

Conversions Part 2

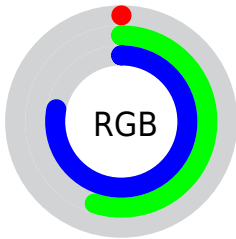
Format	Color
R_{YB}	1, 83, 199
Decimal	101575
CIE Lab	55.00, -9.98, -39.25
CIE LCh	55, 40.499, 255.740
Yxy	22.9298, 0.1970, 0.2289
Android (android.graphics.Color)	4278291655 (0xFF018CC7)
YUV	105.1650, 46.2607, -91.3527
Hunter-Lab	47.8851, -10.2461, -37.6835

Details

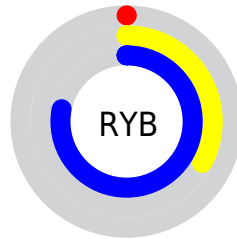
The CIELCh color **55, 40.499, 255.740** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **46, 78.499, 47.147**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 40.196, 255.511**, and **37, 36.602, 268.311** is the 20% darker color. If you saturate the color by 10%, you get **55, 40.579, 255.911**, and if you desaturate by 10%, it is **57, 38.306, 250.901**.

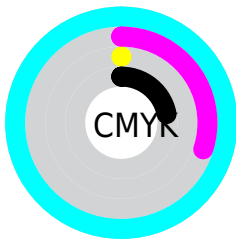
Distribution



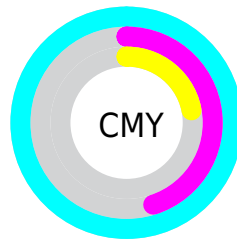
- Red (0%)
- Green (55%)
- Blue (78%)



- Red (0%)
- Yellow (33%)
- Blue (78%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (45%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 40.499, 255.740 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, 40.499, 255.740 by changing the saturation by 10% instead.


 55, 40.499,
255.740


 55, 40.499,
255.740


 100, 40.499,
255.740


 45, 40.499,
255.740


 75, 40.499,
255.740

 35, 40.499,
255.740

 85, 40.499,
255.740

 25, 40.499,
255.740

 95, 40.499,
255.740

 15, 40.499,
255.740

 5, 40.499, 255.740

 0, 40.499, 255.740

■ 55, 40.499,
255.740

■ 55, 40.499,
255.740

■ 55, 40.579,
255.911

■ 57, 38.306,
250.901

■ 59, 35.899,
246.571

■ 61, 33.067,
242.927

■ 64, 29.719,
239.939

■ 66, 25.827,
237.534

■ 69, 21.415,
235.619

■ 72, 16.537,
234.108

■ 74, 11.261,

232.927

■ 77, 5.656, 232.032

Harmonies

Complementary

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



55, 40.499, 255.740



46, 78.499, 47.147

Rectangle

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



55, 40.499, 255.740



55, 40.499, 305.740



55, 40.499, 75.740



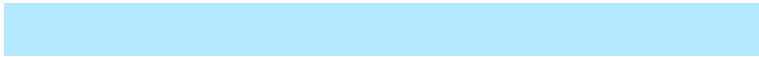
55, 40.499, 125.740

Sweetspot

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



55, 40.498, 255.741



89, 20.408, 234.216



70, 89.092, 140.605



46, 13.739, 234.829



0, 0.000, 0.000



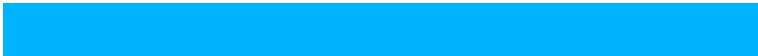
53, 0.007, 296.813

Same Dimension

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



55, 40.498, 255.741



69, 49.224, 256.724



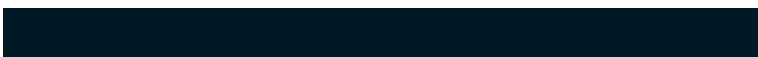
29, 95.487, 301.929



40, 3.325, 232.013



45, 34.775, 255.108



7, 11.357, 244.291

Inverse Universe

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



44, 76.663, 344.737



57, 92.118, 345.127



67, 70.330, 86.370



39, 5.994, 334.782



36, 66.332, 344.490



4, 20.611, 340.417

Previews

White Background



This preview shows how the CIE LCh color 55, 40.499, 255.740 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, 40.499, 255.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

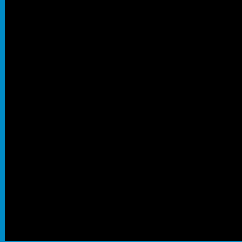
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 40.499, 255.740

Background



This preview shows how black text looks on a background with the CIELCh color 55, 40.499, 255.740.

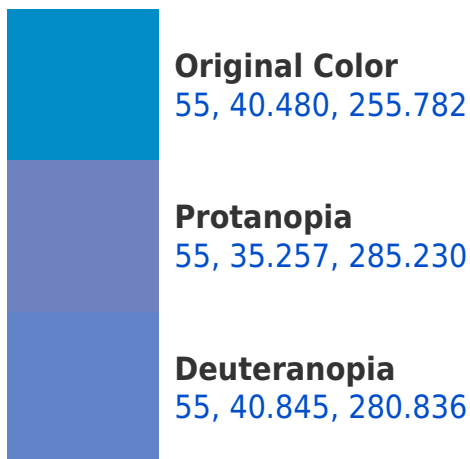


This preview shows how white text looks on a background with the CIELCh color 55, 40.499, 255.740.

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
55, 31.944, 208.199

Trichromacy



Original Color
55, 40.480, 255.782

Protanomaly
54, 37.273, 268.027

Deuteranomaly
54, 40.860, 268.403

Tritanomaly
55, 32.411, 227.250

Monochromacy



Original Color
55, 40.480, 255.782

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 20.004, 236.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 40.499, 255.740 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(1, 140, 199)` looks like.

```
.text, #text, p{  
    color:rgb(1, 140, 199)  
}
```

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(1, 140, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 140, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 40.499, 255.740 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(1, 140, 199) }
```

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

```
.border{ border-color:rgb(1, 140, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 140, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 140, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 140, 199);  
box-shadow:4px 4px 4px 4px rgb(1, 140,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 40.499, 255.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 140, 199) }
```

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

```
.background{ background-color: rgb(1, 140,  
199) }
```

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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