

Converting Colors

CIELCh(55, 42.198, 259.109)

Have a look what the booklet for
CIELCh(55, 42.198, 259.109)
contains.

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Color

CIELCh(55, 42.340, 259.477)

Conversions

Conversions Part 1

Format	Color
Hex	078BCB
RGB	7, 139, 203
RGB Percent	3%, 55%, 80%
CMY	0.9738, 0.4536, 0.2025
CMYK	0.97, 0.31, 0.00, 0.20
HSL	200°, 94%, 41%
HSV	200°, 97%, 80%
XYZ	20.1835, 22.9298, 60.0804
YIQ	106.8280, -99.2160, -8.0800

Conversions

Conversions Part 2

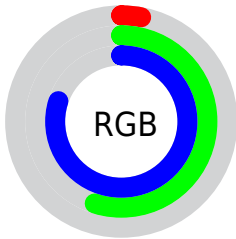
Format	Color
R_{YB}	7, 86, 203
Decimal	494539
CIE _{Lab}	55.00, -7.73, -41.63
CIE _{LCh}	55, 42.340, 259.477
Yxy	22.9298, 0.1956, 0.2222
Android (android.graphics.Color)	4278684619 (0xFF078BCB)
YUV	106.8280, 47.4128, -87.5492
Hunter-Lab	47.8851, -8.5615, -40.8703

Details

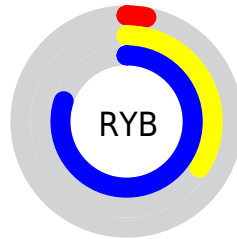
The CIELCh color **55, 42.340, 259.477** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **49, 76.638, 48.841**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 40.291, 256.848**, and **37, 38.630, 271.196** is the 20% darker color. If you saturate the color by 10%, you get **54, 43.251, 261.098**, and if you desaturate by 10%, it is **57, 39.625, 254.559**.

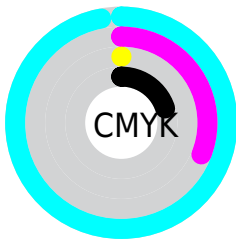
Distribution



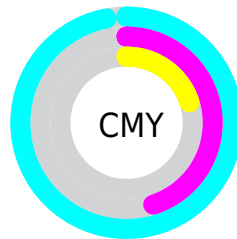
- Red (3%)
- Green (55%)
- Blue (80%)



- Red (3%)
- Yellow (34%)
- Blue (80%)



- Cyan (97%)
- Magenta (31%)
- Yellow (0%)
- Black (20%)





- Cyan (97%)
- Magenta (45%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.340, 259.477 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, 42.340, 259.477 by changing the saturation by 10% instead.


 55, 42.340,
259.477


 55, 42.340,
259.477


 100, 42.340,
259.477


 45, 42.340,
259.477


 75, 42.340,
259.477

 35, 42.340,
259.477

 85, 42.340,
259.477

 25, 42.340,
259.477

 95, 42.340,
259.477

 15, 42.340,
259.477

 5, 42.340, 259.477

 0, 42.340, 259.477

■ 55, 42.340,
259.477

■ 55, 42.340,
259.477

■ 54, 43.251,
261.098

■ 57, 39.625,
254.559

■ 60, 36.681,
250.230

■ 62, 33.351,
246.569

■ 65, 29.552,
243.552

■ 67, 25.265,
241.105

■ 70, 20.512,
239.141

■ 73, 15.346,
237.576

■ 76, 9.831, 236.338

Harmonies

Complementary

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



55, 42.340, 259.477



49, 76.638, 48.841

Rectangle

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



55, 42.340, 259.477



55, 42.340, 309.477



55, 42.340, 79.477



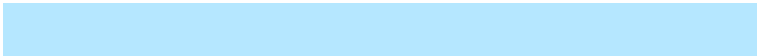
55, 42.340, 129.477

Sweetspot

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



55, 42.339, 259.478



89, 19.880, 237.959



72, 86.985, 142.137



46, 13.478, 238.632



0, 0.000, 0.000



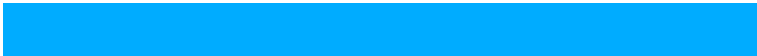
53, 0.007, 296.813

Same Dimension

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



55, 42.339, 259.478



67, 51.691, 261.845



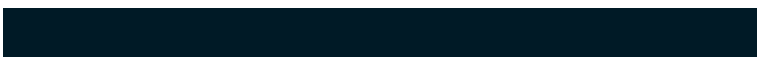
30, 98.058, 302.392



41, 3.395, 235.621



45, 36.849, 260.273



8, 12.326, 248.676

Inverse Universe

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



45, 76.372, 346.269



56, 90.520, 347.312



70, 71.983, 89.659



40, 5.999, 335.958



36, 65.922, 346.611



4, 22.285, 342.323

Previews

White Background



This preview shows how the CIE LCh color 55, 42.340, 259.477 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, 42.340, 259.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

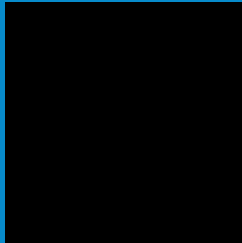
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 42.340, 259.477

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.340, 259.477.

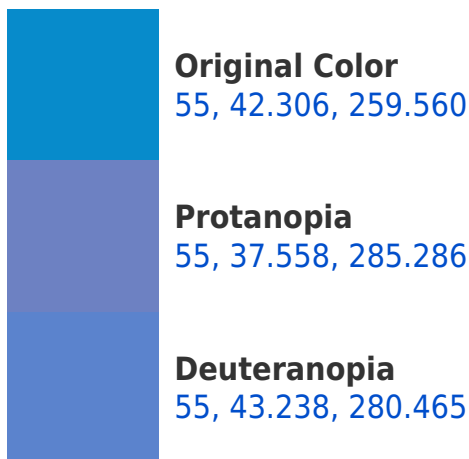


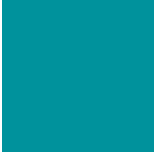
This preview shows how white text looks on a background with the CIELCh color 55, 42.340, 259.477.

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, 31.995, 207.096

Trichromacy



Original Color
55, 42.306, 259.560

Protanomaly
54, 39.161, 270.370

Deuteranomaly
54, 42.852, 270.160

Tritanomaly
55, 32.486, 228.392

Monochromacy



Original Color
55, 42.306, 259.560

Achromatopsia
45, 0.006, 296.813

Achromatomaly
48, 20.025, 241.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.340, 259.477 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(7, 139, 203)` looks like.

```
.text, #text, p{  
    color:rgb(7, 139, 203)  
}
```

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(7, 139, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 139, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.340, 259.477 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(7, 139, 203) }
```

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

```
.border{ border-color:rgb(7, 139, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 139, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 139, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 139, 203);  
box-shadow:4px 4px 4px 4px rgb(7, 139,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.340, 259.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 139, 203) }
```

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

```
.background{ background-color: rgb(7, 139,  
203) }
```

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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