

Converting Colors

CIELCh(48, 76.491, 230.840)

Have a look what the booklet for
CIELCh(48, 76.491, 230.840)
contains.

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Color

CIELCh(55, 47.574, 266.220)

Conversions

Conversions Part 1

Format	Color
Hex	008AD6
RGB	0, 138, 214
RGB Percent	0%, 54%, 84%
CMY	1.0000, 0.4599, 0.1619
CMYK	1.00, 0.36, 0.00, 0.16
HSL	201°, 100%, 42%
HSV	201°, 100%, 84%
XYZ	21.1309, 22.9298, 66.7313
YIQ	105.4020, -106.6440, -5.6200

Conversions

Conversions Part 2

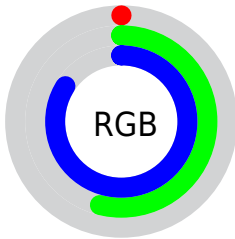
Format	Color
RYB	0, 84, 214
Decimal	35542
CIELab	55.00, -3.14, -47.47
CIELCh	55, 47.574, 266.220
Yxy	22.9298, 0.1907, 0.2070
Android (android.graphics.Color)	4278225622 (0xFF008AD6)
YUV	105.4020, 53.5388, -92.4376
Hunter-Lab	47.8851, -5.0299, -49.1053

Details

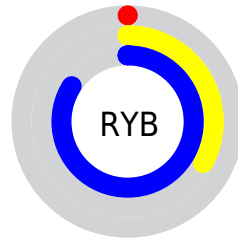
The CIELCh color **55, 47.574, 266.220** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **51, 80.548, 50.014**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 40.499, 257.956**, and **37, 44.476, 276.944** is the 20% darker color. If you saturate the color by 10%, you get **55, 47.555, 266.273**, and if you desaturate by 10%, it is **57, 44.148, 261.224**.

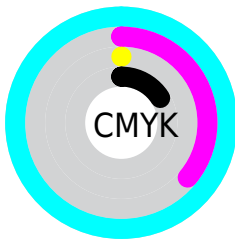
Distribution



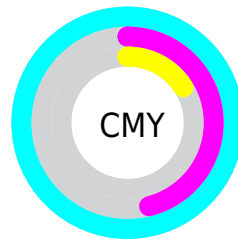
- Red (0%)
- Green (54%)
- Blue (84%)



- Red (0%)
- Yellow (33%)
- Blue (84%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (46%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 47.574, 266.220 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, 47.574, 266.220 by changing the saturation by 10% instead.


 55, 47.574,
266.220


 55, 47.574,
266.220


 100, 47.574,
266.220


 45, 47.574,
266.220


 75, 47.574,
266.220

 35, 47.574,
266.220

 85, 47.574,
266.220

 25, 47.574,
266.220

 95, 47.574,
266.220

 15, 47.574,
266.220

 5, 47.574, 266.220

 0, 47.574, 266.220

■ 55, 47.574,
266.220

■ 55, 47.574,
266.220

■ 55, 47.555,
266.273

■ 57, 44.148,
261.224

■ 60, 40.689,
256.549

■ 63, 36.965,
252.495

■ 66, 32.859,
249.087

■ 69, 28.316,
246.279

■ 72, 23.339,
243.995

■ 75, 17.963,
242.151

■ 79, 12.242,

240.670

■ 82, 6.237, 239.501

Harmonies

Complementary

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



55, 47.574, 266.220



51, 80.548, 50.014

Rectangle

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



55, 47.574, 266.220



55, 47.574, 316.220



55, 47.574, 86.220



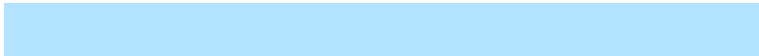
55, 47.574, 136.220

Sweetspot

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



55, 47.555, 266.273



88, 20.717, 242.201



75, 89.849, 142.564



45, 13.985, 242.943



0, 0.000, 0.000



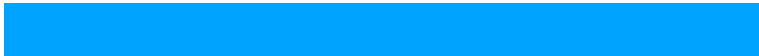
53, 0.007, 296.813

Same Dimension

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



55, 47.555, 266.273



65, 54.715, 266.841



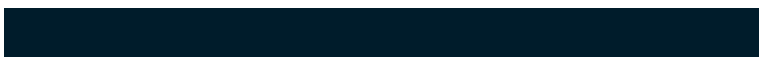
29, 108.283, 304.083



43, 3.550, 239.444



44, 39.834, 265.404



9, 13.986, 254.034

Inverse Universe

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



47, 78.037, 349.456



56, 88.996, 349.751



75, 76.636, 91.964



42, 6.113, 337.264



37, 66.244, 349.014



5, 25.490, 344.432

Previews

White Background



This preview shows how the CIE LCh color 55, 47.574, 266.220 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, 47.574, 266.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

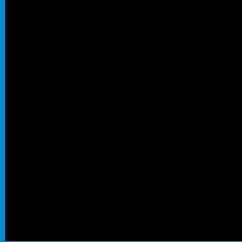
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 47.574, 266.220

Background



This preview shows how black text looks on a background with the CIELCh color 55, 47.574, 266.220.

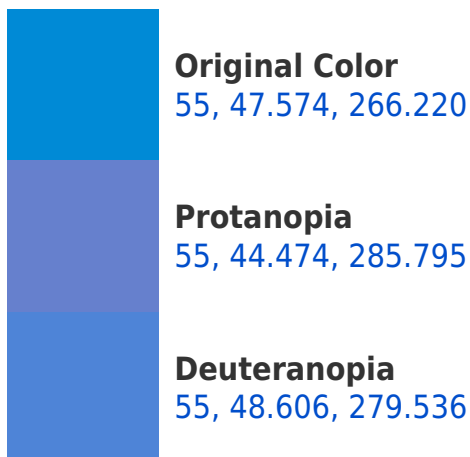


This preview shows how white text looks on a background with the CIELCh color 55, 47.574, 266.220.

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

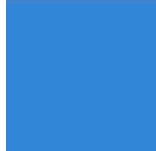
Trichromacy



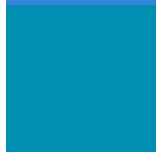
Original Color
55, 47.574, 266.220



Protanomaly
54, 45.553, 274.375



Deuteranomaly
55, 48.722, 273.263



Tritanomaly
55, 33.285, 233.709

Monochromacy



Original Color
55, 47.574, 266.220



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 22.104, 247.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 47.574, 266.220 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, 138, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 214)  
}
```

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, 138, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 47.574, 266.220 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, 138, 214) }
```

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

```
.border{ border-color:rgb(0, 138, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 138, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 47.574, 266.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 214) }
```

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

```
.background{ background-color: rgb(0, 138,  
214) }
```

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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