

Converting Colors

CIELCh(55, 48.959, 268.053)

Have a look what the booklet for
CIELCh(55, 48.959, 268.053)
contains.

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Color

CIELCh(55, 48.890, 268.022)

Conversions

Conversions Part 1

Format	Color
Hex	0489D8
RGB	4, 137, 216
RGB Percent	2%, 54%, 85%
CMY	0.9844, 0.4621, 0.1522
CMYK	0.98, 0.37, 0.00, 0.15
HSL	202°, 96%, 43%
HSV	202°, 98%, 85%
XYZ	21.4356, 22.9298, 68.3832
YIQ	106.2390, -104.6270, -3.6270

Conversions

Conversions Part 2

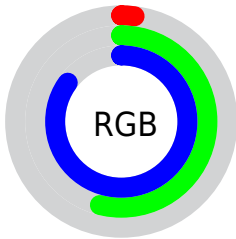
Format	Color
R _Y B	4, 86, 216
Decimal	297432
CIE Lab	55.00, -1.69, -48.86
CIE LCh	55, 48.890, 268.022
Yxy	22.9298, 0.1901, 0.2034
Android (android.graphics.Color)	4278487512 (0xFF0489D8)
YUV	106.2390, 54.1122, -89.6636
Hunter-Lab	47.8851, -3.8941, -51.1506

Details

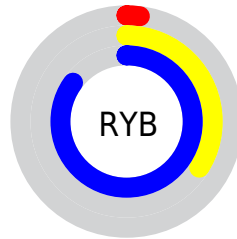
The CIELCh color **55, 48.890, 268.022** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **53, 79.331, 51.282**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 40.625, 259.294**, and **37, 46.142, 278.559** is the 20% darker color. If you saturate the color by 10%, you get **55, 49.604, 268.927**, and if you desaturate by 10%, it is **58, 45.136, 262.981**.

Distribution



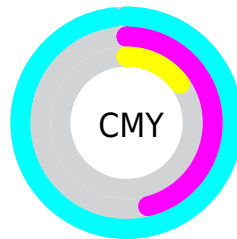
- Red (2%)
- Green (54%)
- Blue (85%)



- Red (2%)
- Yellow (34%)
- Blue (85%)



- Cyan (98%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)




- Cyan (98%)
- Magenta (46%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 48.890, 268.022 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, 48.890, 268.022 by changing the saturation by 10% instead.


 55, 48.890,
268.022


 55, 48.890,
268.022


 100, 48.890,
268.022

 45, 48.890,
268.022


 75, 48.890,
268.022

 35, 48.890,
268.022

 85, 48.890,
268.022

 25, 48.890,
268.022

 95, 48.890,
268.022

 15, 48.890,
268.022

 5, 48.890, 268.022

 0, 48.890, 268.022

■ 55, 48.890,
268.022

■ 55, 48.890,
268.022

■ 55, 49.604,
268.927

■ 58, 45.136,
262.981

■ 60, 41.318,
258.375

■ 63, 37.255,
254.378

■ 66, 32.838,
251.009

■ 69, 28.020,
248.226

■ 73, 22.802,
245.952

■ 76, 17.221,
244.108

■ 80, 11.327,

242.619

■ 83, 5.177, 241.446

Harmonies

Complementary

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



55, 48.890, 268.022



53, 79.331, 51.282

Rectangle

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



55, 48.890, 268.022



55, 48.890, 318.022



55, 48.890, 88.022



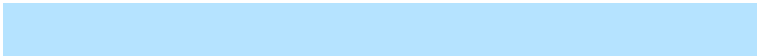
55, 48.890, 138.022

Sweetspot

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



55, 48.889, 268.023



88, 20.227, 244.294



76, 88.501, 143.507



45, 13.745, 245.058



0, 0.000, 0.000



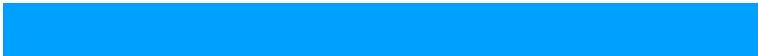
53, 0.007, 296.813

Same Dimension

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



55, 48.889, 268.023



64, 56.581, 269.451



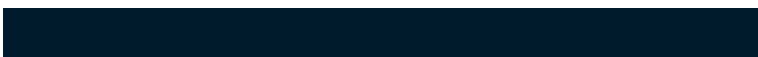
30, 109.284, 304.169



43, 3.566, 241.574



44, 41.137, 268.025



9, 14.286, 256.616

Inverse Universe

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



48, 77.941, 350.387



56, 88.222, 351.174



76, 77.744, 93.498



42, 6.040, 338.021



37, 65.661, 350.382



5, 25.214, 345.510

Previews

White Background



This preview shows how the CIE LCh color 55, 48.890, 268.022 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, 48.890, 268.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

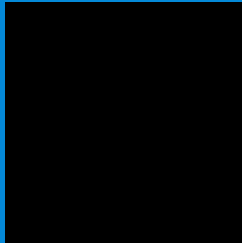
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 48.890, 268.022

Background



This preview shows how black text looks on a background with the CIELCh color 55, 48.890, 268.022.

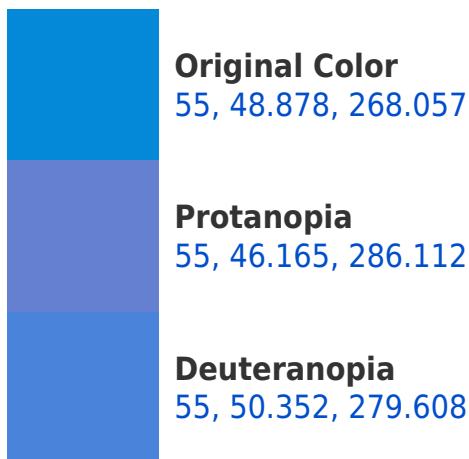


This preview shows how white text looks on a background with the CIELCh color 55, 48.890, 268.022.

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, 48.878, 268.057

Protanomaly
54, 47.553, 276.383

Deuteranomaly
55, 49.756, 273.909

Tritanomaly
55, 33.457, 234.758

Monochromacy



Original Color
55, 48.878, 268.057

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 22.164, 249.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 48.890, 268.022 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(4, 137, 216)` looks like.

```
.text, #text, p{  
    color:rgb(4, 137, 216)  
}
```

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(4, 137, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 137, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 48.890, 268.022 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(4, 137, 216) }
```

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

```
.border{ border-color:rgb(4, 137, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 137, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 137, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 137, 216);  
box-shadow:4px 4px 4px 4px rgb(4, 137,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 48.890, 268.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 137, 216) }
```

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

```
.background{ background-color: rgb(4, 137,  
216) }
```

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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