

Converting Colors

CIELCh(55, 51.289, 270.603)

Have a look what the booklet for
CIELCh(55, 51.289, 270.603)
contains.

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Color

CIELCh(55, 51.677, 271.014)

Conversions

Conversions Part 1

Format	Color
Hex	0788DD
RGB	7, 136, 221
RGB Percent	3%, 53%, 87%
CMY	0.9725, 0.4660, 0.1326
CMYK	0.97, 0.38, 0.00, 0.13
HSL	204°, 94%, 45%
HSV	204°, 97%, 87%
XYZ	21.9901, 22.9298, 71.8021
YIQ	107.1190, -104.1690, -0.9130

Conversions

Conversions Part 2

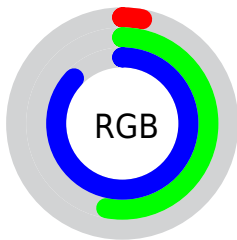
Format	Color
RYB	7, 87, 221
Decimal	493789
CIELab	55.00, 0.91, -51.67
CIELCh	55, 51.677, 271.014
Yxy	22.9298, 0.1884, 0.1964
Android (android.graphics.Color)	4278683869 (0xFF0788DD)
YUV	107.1190, 56.1433, -87.8044
Hunter-Lab	47.8851, -1.8271, -55.3837

Details

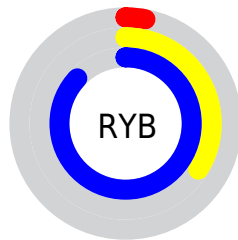
The CIELCh color **55, 51.677, 271.014** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **55, 78.897, 53.114**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 40.861, 260.391**, and **37, 48.947, 280.827** is the 20% darker color. If you saturate the color by 10%, you get **54, 53.091, 272.572**, and if you desaturate by 10%, it is **58, 47.357, 266.022**.

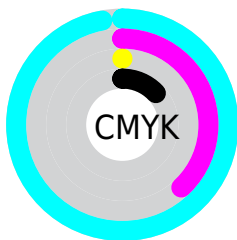
Distribution



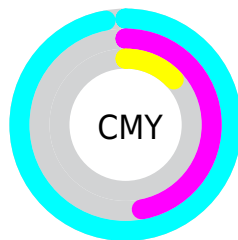
- Red (3%)
- Green (53%)
- Blue (87%)



- Red (3%)
- Yellow (34%)
- Blue (87%)



- Cyan (97%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)





- Cyan (97%)
- Magenta (47%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 51.677, 271.014 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, 51.677, 271.014 by changing the saturation by 10% instead.


 55, 51.677,
271.014


 55, 51.677,
271.014


 100, 51.677,
271.014


 45, 51.677,
271.014


 75, 51.677,
271.014

 35, 51.677,
271.014

 85, 51.677,
271.014

 25, 51.677,
271.014

 95, 51.677,
271.014

 15, 51.677,
271.014

 5, 51.677, 271.014

 0, 51.677, 271.014

■ 55, 51.677,
271.014

■ 55, 51.677,
271.014

■ 54, 53.091,
272.572

■ 58, 47.357,
266.022

■ 61, 43.004,
261.464

■ 64, 38.456,
257.483

■ 67, 33.605,
254.110

■ 71, 28.403,
251.304

■ 74, 22.851,
248.998

■ 78, 16.978,
247.112

■ 82, 10.830,

245.579

■ 86, 4.459, 244.371

Harmonies

Complementary

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



55, 51.677, 271.014



55, 78.897, 53.114

Rectangle

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



55, 51.677, 271.014



55, 51.677, 321.014



55, 51.677, 91.014



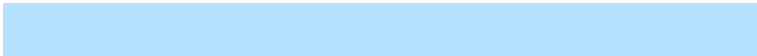
55, 51.677, 141.014

Sweetspot

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



55, 51.676, 271.015



88, 20.504, 247.531



78, 88.148, 144.382



45, 13.951, 248.333



0, 0.000, 0.000



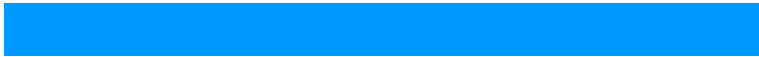
53, 0.007, 296.813

Same Dimension

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



55, 51.676, 271.015



62, 59.499, 273.009



30, 111.660, 304.340



44, 3.667, 244.648



43, 43.696, 271.670



9, 15.414, 261.005

Inverse Universe

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



49, 78.296, 352.097



56, 87.208, 353.314



79, 79.698, 94.903



43, 6.053, 339.163



38, 65.591, 352.479



6, 26.383, 347.242

Previews

White Background



This preview shows how the CIE LCh color 55, 51.677, 271.014 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, 51.677, 271.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

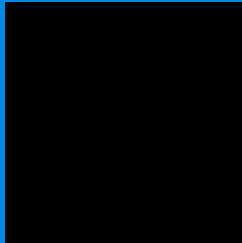
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 51.677, 271.014

Background



This preview shows how black text looks on a background with the CIELCh color 55, 51.677, 271.014.



This preview shows how white text looks on a background with the CIELCh color 55, 51.677, 271.014.

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, 51.666, 271.047

Protanomaly
54, 50.746, 278.060

Deuteranomaly
55, 52.425, 275.162

Tritanomaly
55, 33.945, 238.030

Monochromacy



Original Color
55, 51.666, 271.047

Achromatopsia
45, 0.006, 296.813

Achromatomaly
48, 22.797, 252.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 51.677, 271.014 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, 136, 221)` looks like.

```
.text, #text, p{  
    color:rgb(7, 136, 221)  
}
```

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, 136, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 136, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 51.677, 271.014 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, 136, 221) }
```

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

```
.border{ border-color:rgb(7, 136, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 136, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 136, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 136, 221);  
box-shadow:4px 4px 4px 4px rgb(7, 136,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 51.677, 271.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 136, 221) }
```

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

```
.background{ background-color: rgb(7, 136,  
221) }
```

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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