

Converting Colors

CIELCh(55, 58.741, 276.228)

Have a look what the booklet for
CIELCh(55, 58.741, 276.228)
contains.

CIELCh(55, 58.640, 276.439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 58.640, 276.439)

Conversions

Conversions Part 1

Format	Color
Hex	0086E9
RGB	0, 134, 233
RGB Percent	0%, 53%, 91%
CMY	1.0000, 0.4745, 0.0863
CMYK	1.00, 0.42, 0.00, 0.09
HSL	205°, 100%, 46%
HSV	205°, 100%, 91%
XYZ	23.2295, 22.9298, 80.2839
YIQ	105.2200, -111.6430, 2.3810

Conversions

Conversions Part 2

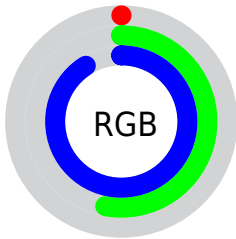
Format	Color
R _Y B	0, 85, 233
Decimal	34537
CIE Lab	55.00, 6.58, -58.27
CIE LCh	55, 58.640, 276.439
Yxy	22.9298, 0.1837, 0.1813
Android (android.graphics.Color)	4278224617 (0xFF0086E9)
YUV	105.2200, 62.9955, -92.2779
Hunter-Lab	47.8851, 2.7930, -65.8856

Details

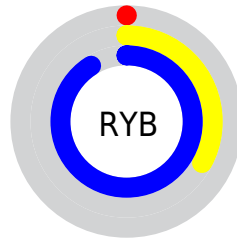
The CIELCh color **55, 58.640, 276.439** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **58, 82.861, 54.246**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 41.370, 262.559**, and **37, 56.938, 285.804** is the 20% darker color. If you saturate the color by 10%, you get **55, 58.641, 276.442**, and if you desaturate by 10%, it is **58, 53.452, 271.510**.

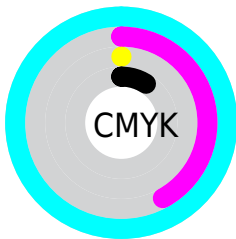
Distribution



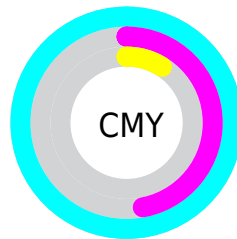
- Red (0%)
- Green (53%)
- Blue (91%)



- Red (0%)
- Yellow (33%)
- Blue (91%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 58.640, 276.439 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, 58.640, 276.439 by changing the saturation by 10% instead.


 55, 58.640,
276.439


 55, 58.640,
276.439


 100, 58.640,
276.439

 45, 58.640,
276.439


 75, 58.640,
276.439

 35, 58.640,
276.439

 85, 58.640,
276.439

 25, 58.640,
276.439

 95, 58.640,
276.439

 15, 58.640,
276.439

 5, 58.640, 276.439

 0, 58.640, 276.439

■ 55, 58.640,
276.439

■ 55, 58.640,
276.439

■ 55, 58.641,
276.442

■ 58, 53.452,
271.510

■ 61, 48.377,
266.806

■ 65, 43.227,
262.599

■ 68, 37.872,
258.968

■ 72, 32.235,
255.906

■ 76, 26.293,
253.361

■ 80, 20.060,
251.261

■ 84, 13.570,

249.536

■ 88, 6.869, 248.136

Harmonies

Complementary

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



55, 58.640, 276.439



58, 82.861, 54.246

Rectangle

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



55, 58.640, 276.439



55, 58.640, 326.439



55, 58.640, 96.439



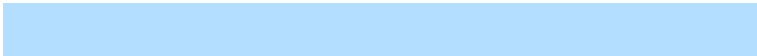
55, 58.640, 146.439

Sweetspot

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



55, 58.639, 276.441



87, 21.580, 251.290



81, 90.865, 144.978



44, 14.621, 252.132



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, 58.639, 276.441



60, 63.059, 276.705



30, 121.194, 305.437



47, 3.928, 248.072



43, 47.868, 275.572



11, 18.108, 266.800

Inverse Universe

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



51, 80.602, 355.637



55, 86.232, 355.828



85, 85.217, 97.138



46, 6.274, 340.514



39, 66.903, 355.022



8, 29.469, 349.731

Previews

White Background



This preview shows how the CIE LCh color 55, 58.640, 276.439 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, 58.640, 276.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

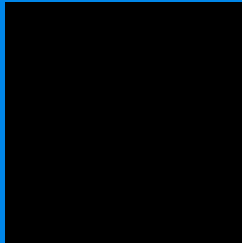
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 58.640, 276.439

Background



This preview shows how black text looks on a background with the CIELCh color 55, 58.640, 276.439.

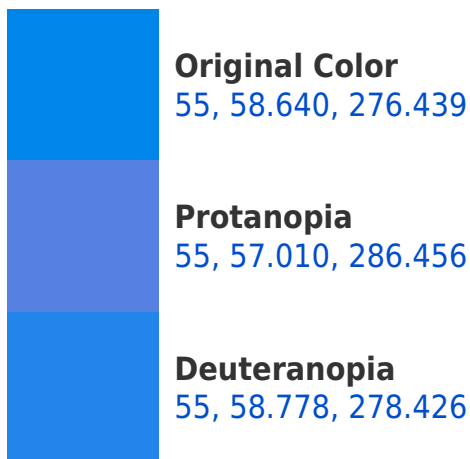


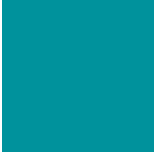
This preview shows how white text looks on a background with the CIELCh color 55, 58.640, 276.439.

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, 58.640, 276.439

Protanomaly
54, 57.857, 280.856

Deuteranomaly
55, 58.967, 277.706

Tritanomaly
55, 35.046, 241.658

Monochromacy



Original Color
55, 58.640, 276.439

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 25.203, 256.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 58.640, 276.439 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, 134, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 233)  
}
```

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, 134, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 58.640, 276.439 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, 134, 233) }
```

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

```
.border{ border-color:rgb(0, 134, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 58.640, 276.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 233) }
```

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

```
.background{ background-color: rgb(0, 134,  
233) }
```

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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