

Converting Colors

CIELCh(48, 66.223, 266.163)

Have a look what the booklet for
CIELCh(48, 66.223, 266.163)
contains.

CIELCh(51, 61.000, 280.044)	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(51, 61.000, 280.044)

Conversions

Conversions Part 1

Format	Color
Hex	007AE1
RGB	0, 122, 225
RGB Percent	0%, 48%, 88%
CMY	1.0000, 0.5220, 0.1188
CMYK	1.00, 0.46, 0.00, 0.12
HSL	207°, 100%, 44%
HSV	207°, 100%, 88%
XYZ	20.4137, 19.2686, 73.6737
YIQ	97.2640, -105.7750, 6.1690

Conversions

Conversions Part 2

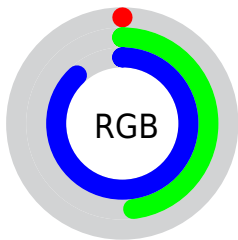
Format	Color
RYB	0, 79, 225
Decimal	31457
CIELab	51.00, 10.64, -60.07
CIELCh	51, 61.000, 280.044
Yxy	19.2686, 0.1801, 0.1700
Android (android.graphics.Color)	4278221537 (0xFF007AE1)
YUV	97.2640, 62.9738, -85.3005
Hunter-Lab	43.8960, 6.1928, -68.7833

Details

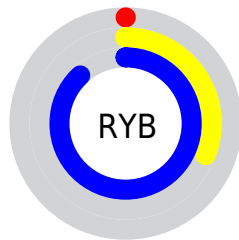
The CIELCh color **51, 61.000, 280.044** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **58, 79.229, 56.715**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.770, 271.810**, and **33, 59.484, 289.288** is the 20% darker color. If you saturate the color by 10%, you get **51, 60.952, 280.236**, and if you desaturate by 10%, it is **54, 55.201, 275.477**.

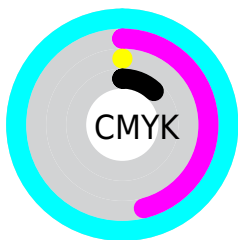
Distribution



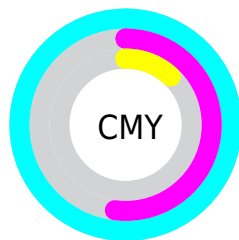
- Red (0%)
- Green (48%)
- Blue (88%)



- Red (0%)
- Yellow (31%)
- Blue (88%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (52%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 61.000, 280.044 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 51, 61.000, 280.044 by changing the saturation by 10% instead.


 51, 61.000,
280.044


 51, 61.000,
280.044


 100, 61.000,
280.044


 41, 61.000,
280.044


 71, 61.000,
280.044

 31, 61.000,
280.044

 81, 61.000,
280.044

 21, 61.000,
280.044

 91, 61.000,
280.044

 11, 61.000,
280.044

 1, 61.000, 280.044

 0, 61.000, 280.044

■ 51, 61.000,
280.044

■ 51, 61.000,
280.044

■ 51, 60.952,
280.236

■ 54, 55.201,
275.477

■ 58, 49.611,
270.879

■ 61, 44.028,
266.721

■ 65, 38.330,
263.094

■ 69, 32.442,
260.006

■ 73, 26.333,
257.416

■ 77, 20.005,
255.260

■ 81, 13.485,

253.472

■ 85, 6.806, 252.006

Harmonies

Complementary

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



51, 61.000, 280.044



58, 79.229, 56.715

Rectangle

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



51, 61.000, 280.044



51, 61.000, 330.044



51, 61.000, 100.044



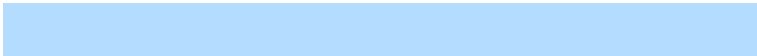
51, 61.000, 150.044

Sweetspot

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



51, 60.952, 280.236



86, 22.160, 255.301



79, 85.628, 146.459



44, 15.039, 256.171



0, 0.000, 0.000



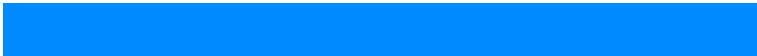
53, 0.007, 296.813

Same Dimension

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



51, 60.952, 280.236



58, 67.510, 280.597



29, 119.551, 305.815



45, 3.862, 251.934



40, 50.005, 279.398



9, 17.668, 269.756

Inverse Universe

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



49, 77.636, 358.568



55, 85.346, 358.869



84, 84.884, 99.543



44, 5.913, 342.152



38, 64.803, 357.884



6, 26.906, 351.597

Previews

White Background



This preview shows how the CIE LCh color 51, 61.000, 280.044 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 51, 61.000, 280.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

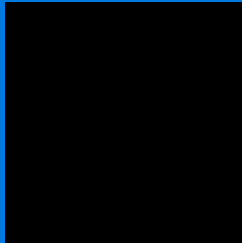
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

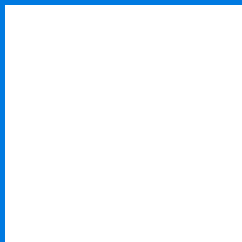
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 61.000, 280.044

Background



This preview shows how black text looks on a background with the CIELCh color 51, 61.000, 280.044.




This preview shows how white text looks on a background with the CIELCh color 51, 61.000, 280.044.

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
51, 30.309, 205.548

Trichromacy



Original Color
51, 61.037, 280.260

Protanomaly
51, 60.604, 283.399

Deuteranomaly
51, 57.882, 278.230

Tritanomaly
51, 34.106, 245.699

Monochromacy



Original Color
51, 61.037, 280.260

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 25.220, 261.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 61.000, 280.044 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, 122, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 225)  
}
```

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, 122, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 61.000, 280.044 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, 122, 225) }
```

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

```
.border{ border-color:rgb(0, 122, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 61.000, 280.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 225) }
```

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

```
.background{ background-color: rgb(0, 122,  
225) }
```

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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