

Converting Colors

CIELCh(43, 78.157, 291.821)

Have a look what the booklet for
CIELCh(43, 78.157, 291.821)
contains.

CIELCh(43, 78.124, 291.858)	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(43, 78.124, 291.858)

Conversions

Conversions Part 1

Format	Color
Hex	005DE0
RGB	0, 93, 224
RGB Percent	0%, 36%, 88%
CMY	1.0000, 0.6360, 0.1225
CMYK	1.00, 0.59, 0.00, 0.12
HSL	215°, 100%, 44%
HSV	215°, 100%, 88%
XYZ	17.3066, 13.1578, 71.9867
YIQ	80.1270, -97.4790, 21.0250

Conversions

Conversions Part 2

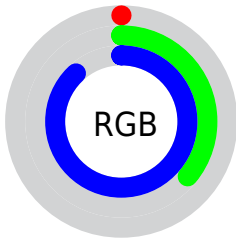
Format	Color
R _Y B	0, 66, 224
Decimal	24032
CIE Lab	43.00, 29.09, -72.51
CIE LCh	43, 78.124, 291.858
Yxy	13.1578, 0.1689, 0.1284
Android (android.graphics.Color)	4278214112 (0xFF005DE0)
YUV	80.1270, 70.9294, -70.2714
Hunter-Lab	36.2736, 21.6857, -92.2721

Details

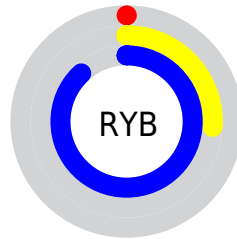
The CIELCh color **43, 78.124, 291.858** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **63, 75.297, 67.564**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 62.950, 288.196**, and **27, 75.684, 298.520** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.119, 291.886**, and if you desaturate by 10%, it is **47, 69.739, 287.853**.

Distribution



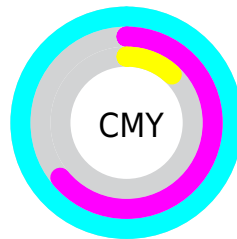
- Red (0%)
- Green (36%)
- Blue (88%)



- Red (0%)
- Yellow (26%)
- Blue (88%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (64%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 78.124, 291.858 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 43, 78.124, 291.858 by changing the saturation by 10% instead.


 43, 78.124,
291.858

 43, 78.124,
291.858


 100, 78.124,
291.858

 33, 78.124,
291.858

 63, 78.124,
291.858

 23, 78.124,
291.858

 73, 78.124,
291.858

 13, 78.124,
291.858

 83, 78.124,
291.858

 3, 78.124, 291.858

 93, 78.124,
291.858

 0, 78.124, 291.858

 43, 78.124,

 43, 78.124,

291.858

■ 43, 78.119,
291.886

291.858

■ 47, 69.739,
287.853

■ 51, 61.559,
283.799

■ 55, 53.589,
280.001

■ 60, 45.779,
276.585

■ 64, 38.067,
273.599

■ 69, 30.407,
271.033

■ 74, 22.772,
268.850

■ 79, 15.157,
266.999

Harmonies

Complementary

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



43, 78.124, 291.858



63, 75.297, 67.564

Rectangle

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



43, 78.124, 291.858



43, 78.124, 341.858



43, 78.124, 111.858



43, 78.124, 161.858

Sweetspot

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



43, 78.119, 291.886



83, 25.318, 268.894



79, 74.116, 153.434



42, 17.284, 269.781



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 78.119, 291.886



49, 86.895, 292.194



28, 120.810, 306.504



44, 4.305, 265.363



34, 64.173, 291.202



7, 21.675, 281.950

Inverse Universe

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



48, 76.744, 10.944



54, 84.763, 11.362



85, 88.257, 108.025



44, 5.439, 349.314



37, 64.045, 10.035



6, 25.768, 0.766

Previews

White Background



This preview shows how the CIE LCh color 43, 78.124, 291.858 looks on a white background.

Color Contrast Check

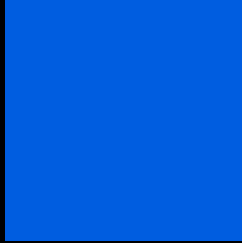
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 43, 78.124, 291.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

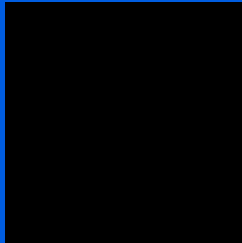
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 78.124, 291.858

Background



This preview shows how black text looks on a background with the CIELCh color 43, 78.124, 291.858.



This preview shows how white text looks on a background with the CIELCh color 43, 78.124, 291.858.

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



Original Color


43, 78.124, 291.858

Protanopia

43, 66.190, 287.357

Deuteranopia

43, 45.827, 273.860



Tritanopia
43, 26.488, 205.875

Trichromacy



Original Color
43, 78.124, 291.858

Protanomaly
43, 70.776, 289.349

Deuteranomaly
43, 57.178, 282.677

Tritanomaly
42, 35.667, 261.004

Monochromacy



Original Color
43, 78.124, 291.858

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 30.218, 275.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 78.124, 291.858 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, 93, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 93, 224)  
}
```

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, 93, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 93, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 78.124, 291.858 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, 93, 224) }
```

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

```
.border{ border-color:rgb(0, 93, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 93, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 93, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 93, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 93, 224)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 78.124, 291.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 93, 224) }
```

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

```
.background{ background-color: rgb(0, 93,  
224) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor