

Converting Colors

CIELCh(43, 76.998, 291.568)

Have a look what the booklet for
CIELCh(43, 76.998, 291.568)
contains.

CIELCh(43, 77.014, 291.607)	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, 77.014, 291.607)

Conversions

Conversions Part 1

Format	Color
Hex	035DDE
RGB	3, 93, 222
RGB Percent	1%, 36%, 87%
CMY	0.9882, 0.6347, 0.1287
CMYK	0.99, 0.58, 0.00, 0.13
HSL	215°, 97%, 44%
HSV	215°, 99%, 87%
XYZ	17.1738, 13.1578, 70.8704
YIQ	80.7960, -95.0490, 21.0390

Conversions

Conversions Part 2

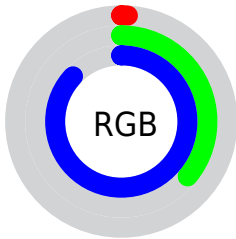
Format	Color
R _Y B	3, 67, 222
Decimal	220638
CIE Lab	43.00, 28.36, -71.60
CIE LCh	43, 77.014, 291.607
Yxy	13.1578, 0.1697, 0.1300
Android (android.graphics.Color)	4278410718 (0xFF035DDE)
YUV	80.7960, 69.6136, -68.2271
Hunter-Lab	36.2736, 21.0323, -90.4476

Details

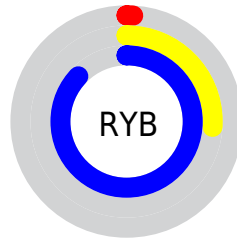
The CIELCh color **43, 77.014, 291.607** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **63, 74.343, 68.269**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 62.950, 288.196**, and **27, 74.563, 298.316** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.164, 292.121**, and if you desaturate by 10%, it is **47, 68.644, 287.558**.

Distribution



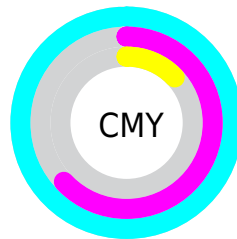
- Red (1%)
- Green (36%)
- Blue (87%)



- Red (1%)
- Yellow (26%)
- Blue (87%)



- Cyan (99%)
- Magenta (58%)
- Yellow (0%)
- Black (13%)



- Cyan (99%)
- Magenta (63%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 77.014, 291.607 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, 77.014, 291.607 by changing the saturation by 10% instead.


 43, 77.014,
291.607


 43, 77.014,
291.607


 100, 77.014,
291.607


 33, 77.014,
291.607

 63, 77.014,
291.607


 23, 77.014,
291.607

 73, 77.014,
291.607

 13, 77.014,
291.607

 83, 77.014,
291.607

 3, 77.014, 291.607

 93, 77.014,
291.607

 0, 77.014, 291.607

 43, 77.014,

 43, 77.014,

291.607

■ 43, 78.164,
292.121

291.607

■ 47, 68.644,
287.558

■ 51, 60.472,
283.545

■ 55, 52.507,
279.808

■ 60, 44.699,
276.460

■ 65, 36.988,
273.541

■ 69, 29.330,
271.035

■ 74, 21.701,
268.903

■ 79, 14.098,
267.097

Harmonies

Complementary

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



43, 77.014, 291.607



63, 74.343, 68.269

Rectangle

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



43, 77.014, 291.607



43, 77.014, 341.607



43, 77.014, 111.607



43, 77.014, 161.607

Sweetspot

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



43, 77.014, 291.609



83, 25.422, 269.218



78, 73.150, 153.745



42, 17.358, 270.104



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, 77.014, 291.609



49, 87.453, 292.445



28, 119.510, 306.426



44, 4.320, 265.690



34, 64.584, 291.460



6, 21.783, 282.187

Inverse Universe

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



48, 76.061, 10.599



54, 84.815, 11.709



85, 87.520, 107.987



44, 5.427, 349.528



37, 64.073, 10.374



6, 25.749, 0.999

Previews

White Background



This preview shows how the CIE LCh color 43, 77.014, 291.607 looks on a white background.

Color Contrast Check

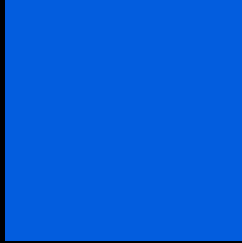
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.014, 291.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

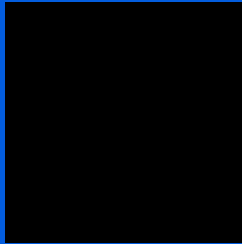
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 77.014, 291.607

Background



This preview shows how black text looks on a background with the CIELCh color 43, 77.014, 291.607.



This preview shows how white text looks on a background with the CIELCh color 43, 77.014, 291.607.

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, 77.008, 291.630

Protanopia

43, 66.190, 287.357

Deuteranopia

43, 45.827, 273.860



Tritanopia
43, 26.488, 205.875

Trichromacy



Original Color
43, 77.008, 291.630

Protanomaly
43, 70.137, 288.992

Deuteranomaly
43, 56.623, 282.421

Tritanomaly
42, 35.643, 261.077

Monochromacy



Original Color
43, 77.008, 291.630

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 30.097, 276.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 77.014, 291.607 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(3, 93, 222)` looks like.

```
.text, #text, p{  
    color:rgb(3, 93, 222)  
}
```

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(3, 93, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 93, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 77.014, 291.607 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(3, 93, 222) }
```

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

```
.border{ border-color:rgb(3, 93, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 93, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 93, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 93, 222);  
box-shadow:4px 4px 4px 4px rgb(3, 93, 222)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 43, 77.014, 291.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 93, 222) }
```

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

```
.background{ background-color: rgb(3, 93,  
222) }
```

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