

Converting Colors

CIELCh(40, 81.172, 281.524)

Have a look what the booklet for
CIELCh(40, 81.172, 281.524)
contains.

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Color

CIELCh(44, 77.860, 291.320)

Conversions

Conversions Part 1

Format	Color
Hex	0060E3
RGB	0, 96, 227
RGB Percent	0%, 38%, 89%
CMY	1.0000, 0.6245, 0.1110
CMYK	1.00, 0.58, 0.00, 0.11
HSL	215°, 100%, 44%
HSV	215°, 100%, 89%
XYZ	17.9618, 13.8382, 74.1753
YIQ	82.2300, -99.2670, 20.3890

Conversions

Conversions Part 2

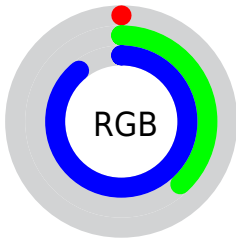
Format	Color
RYB	0, 67, 227
Decimal	24803
CIELab	44.00, 28.31, -72.53
CIElCh	44, 77.860, 291.320
Yxy	13.8382, 0.1695, 0.1306
Android (android.graphics.Color)	4278214883 (0xFF0060E3)
YUV	82.2300, 71.3716, -72.1157
Hunter-Lab	37.1997, 21.0889, -92.1828

Details

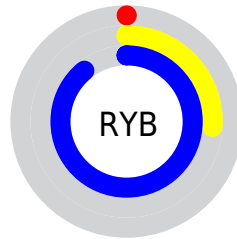
The CIELCh color **44, 77.860, 291.320** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **64, 76.172, 66.836**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 61.195, 287.169**, and **27, 75.493, 298.141** is the 20% darker color. If you saturate the color by 10%, you get **44, 77.852, 291.357**, and if you desaturate by 10%, it is **48, 69.529, 287.276**.

Distribution



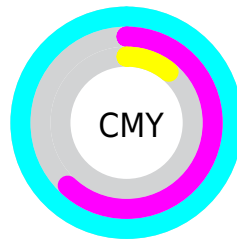
- Red (0%)
- Green (38%)
- Blue (89%)



- Red (0%)
- Yellow (26%)
- Blue (89%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (62%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 77.860, 291.320 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 44, 77.860, 291.320 by changing the saturation by 10% instead.


 44, 77.860,
291.320


 44, 77.860,
291.320


 100, 77.860,
291.320

 34, 77.860,
291.320

 64, 77.860,
291.320


 24, 77.860,
291.320

 74, 77.860,
291.320

 14, 77.860,
291.320

 84, 77.860,
291.320

 4, 77.860, 291.320

 94, 77.860,
291.320

 0, 77.860, 291.320

 44, 77.860,

 44, 77.860,

291.320

■ 44, 77.852,
291.357

291.320

■ 48, 69.529,
287.276

■ 52, 61.415,
283.181

■ 56, 53.506,
279.351

■ 61, 45.748,
275.912

■ 65, 38.074,
272.909

■ 70, 30.437,
270.332

■ 75, 22.811,
268.140

■ 80, 15.193,
266.285

Harmonies

Complementary

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



44, 77.860, 291.320



64, 76.172, 66.836

Rectangle

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



44, 77.860, 291.320



44, 77.860, 341.320



44, 77.860, 111.320



44, 77.860, 161.320

Sweetspot

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



44, 77.852, 291.357



84, 25.096, 268.180



80, 76.309, 152.424



42, 17.127, 269.069



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 77.852, 291.357



49, 85.687, 291.637



28, 122.107, 306.447



45, 4.273, 264.645



34, 63.284, 290.632



7, 21.440, 281.421

Inverse Universe

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



48, 77.419, 10.239



54, 84.663, 10.610



86, 88.966, 107.007



44, 5.465, 348.853



37, 63.994, 9.298



6, 25.813, 0.256

Previews

White Background



This preview shows how the CIE LCh color 44, 77.860, 291.320 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 44, 77.860, 291.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

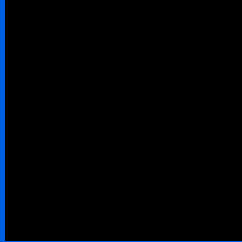
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

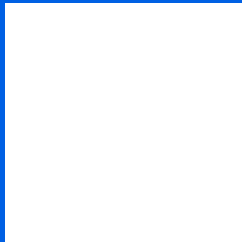
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 77.860, 291.320

Background



This preview shows how black text looks on a background with the CIELCh color 44, 77.860, 291.320.



This preview shows how white text looks on a background with the CIELCh color 44, 77.860, 291.320.

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

44, 77.860, 291.320

Protanopia

44, 67.081, 287.154

Deuteranopia

44, 47.357, 274.648



Tritanopia
44, 27.004, 205.648

Trichromacy



Original Color
44, 77.860, 291.320

Protanomaly
44, 71.091, 288.941

Deuteranomaly
44, 58.171, 282.777

Tritanomaly
43, 35.812, 260.017

Monochromacy



Original Color
44, 77.860, 291.320

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 30.752, 275.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 77.860, 291.320 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, 96, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 227)  
}
```

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, 96, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 77.860, 291.320 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, 96, 227) }
```

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

```
.border{ border-color:rgb(0, 96, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 96, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 227)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 77.860, 291.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 96, 227) }
```

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

```
.background{ background-color: rgb(0, 96,  
227) }
```

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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