

Converting Colors

CIELCh(41, 88.644, 295.634)

Have a look what the booklet for
CIELCh(41, 88.644, 295.634)
contains.

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Color

CIELCh(41, 88.343, 295.635)

Conversions

Conversions Part 1

Format	Color
Hex	0053E7
RGB	0, 83, 231
RGB Percent	0%, 33%, 91%
CMY	1.0000, 0.6758, 0.0958
CMYK	1.00, 0.64, 0.00, 0.10
HSL	218°, 100%, 45%
HSV	218°, 100%, 90%
XYZ	17.4009, 11.8645, 76.6597
YIQ	75.0550, -96.9760, 28.4320

Conversions

Conversions Part 2

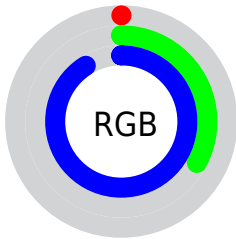
Format	Color
RYB	0, 61, 231
Decimal	21479
CIELab	41.00, 38.22, -79.65
CIElCh	41, 88.343, 295.635
Yxy	11.8645, 0.1643, 0.1120
Android (android.graphics.Color)	4278211559 (0xFF0053E7)
YUV	75.0550, 76.8809, -65.8232
Hunter-Lab	34.4449, 29.8959, -107.8428

Details

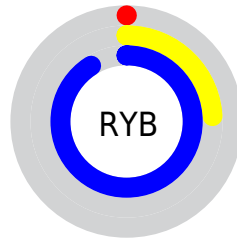
The CIELCh color **41, 88.343, 295.635** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **68, 76.465, 72.792**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.410, 292.693**, and **25, 84.575, 301.266** is the 20% darker color. If you saturate the color by 10%, you get **41, 88.331, 295.680**, and if you desaturate by 10%, it is **45, 78.766, 291.983**.

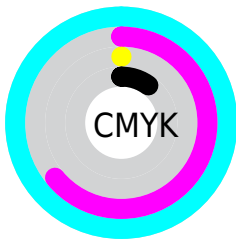
Distribution



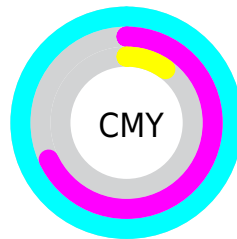
- Red (0%)
- Green (33%)
- Blue (91%)



- Red (0%)
- Yellow (24%)
- Blue (91%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (68%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 88.343, 295.635 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 41, 88.343, 295.635 by changing the saturation by 10% instead.

 41, 88.343,
295.635


 41, 88.343,
295.635


 100, 88.343,
295.635


 31, 88.343,
295.635

 61, 88.343,
295.635


 21, 88.343,
295.635

 71, 88.343,
295.635


 11, 88.343,
295.635


 81, 88.343,
295.635

 1, 88.343, 295.635

 91, 88.343,
295.635

 0, 88.343, 295.635

 41, 88.343,

 41, 88.343,

295.635

■ 41, 88.331,
295.680

295.635

■ 45, 78.766,
291.983

■ 49, 69.271,
288.190

■ 54, 59.996,
284.584

■ 59, 50.966,
281.306

■ 64, 42.145,
278.418

■ 70, 33.485,
275.921

■ 75, 24.954,
273.786

■ 81, 16.535,
271.968

Harmonies

Complementary

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



41, 88.343, 295.635



68, 76.465, 72.792

Rectangle

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



41, 88.343, 295.635



41, 88.343, 345.635



41, 88.343, 115.635



41, 88.343, 165.635

Sweetspot

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



41, 88.331, 295.680



82, 27.080, 273.818



81, 71.511, 156.603



41, 18.525, 274.685



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 88.331, 295.680



45, 95.880, 295.891



29, 123.145, 306.719



45, 4.649, 270.352



32, 71.654, 295.037



6, 24.679, 286.522

Inverse Universe

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



49, 79.626, 16.534



54, 86.032, 16.874



87, 90.938, 111.038



45, 5.360, 352.865



38, 65.521, 15.516



7, 26.763, 5.022

Previews

White Background



This preview shows how the CIE LCh color 41, 88.343, 295.635 looks on a white background.

Color Contrast Check

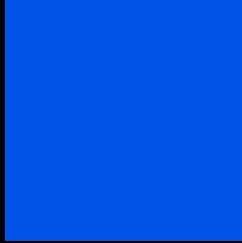
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 88.343, 295.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

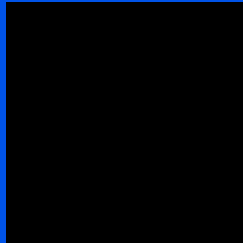
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 88.343, 295.635

Background



This preview shows how black text looks on a background with the CIELCh color 41, 88.343, 295.635.



This preview shows how white text looks on a background with the CIELCh color 41, 88.343, 295.635.

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


41, 88.343, 295.635

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 43.795, 273.417



Tritanopia
41, 25.700, 204.830

Trichromacy



Original Color
41, 88.343, 295.635

Protanomaly
41, 72.388, 290.882

Deuteranomaly
41, 59.790, 285.441

Tritanomaly
40, 38.233, 267.534

Monochromacy



Original Color
41, 88.343, 295.635

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 34.407, 281.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 88.343, 295.635 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, 83, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 231)  
}
```

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, 83, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 88.343, 295.635 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, 83, 231) }
```

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

```
.border{ border-color:rgb(0, 83, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 83, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 231)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 88.343, 295.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 231) }
```

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

```
.background{ background-color: rgb(0, 83,  
231) }
```

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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