

Converting Colors

CIELCh(41, 83.130, 294.204)

Have a look what the booklet for
CIELCh(41, 83.130, 294.204)
contains.

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Color

CIELCh(41, 83.256, 294.310)

Conversions

Conversions Part 1

Format	Color
Hex	0055E0
RGB	0, 85, 224
RGB Percent	0%, 33%, 88%
CMY	1.0000, 0.6669, 0.1218
CMYK	1.00, 0.62, 0.00, 0.12
HSL	217°, 100%, 44%
HSV	217°, 100%, 88%
XYZ	16.6853, 11.8645, 71.8850
YIQ	75.4310, -95.2790, 25.2090

Conversions

Conversions Part 2

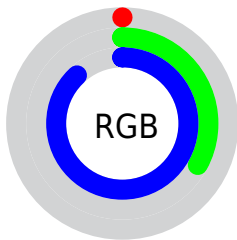
Format	Color
RYB	0, 62, 224
Decimal	21984
CIELab	41.00, 34.27, -75.87
CIELCh	41, 83.256, 294.310
Yxy	11.8645, 0.1661, 0.1181
Android (android.graphics.Color)	4278212064 (0xFF0055E0)
YUV	75.4310, 73.2445, -66.1530
Hunter-Lab	34.4449, 26.1878, -99.6240

Details

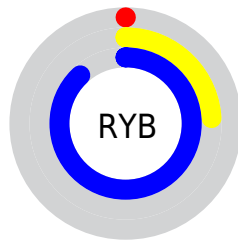
The CIELCh color **41, 83.256, 294.310** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **65, 74.911, 70.873**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 68.243, 291.681**, and **25, 79.605, 300.314** is the 20% darker color. If you saturate the color by 10%, you get **41, 83.255, 294.318**, and if you desaturate by 10%, it is **45, 74.242, 290.500**.

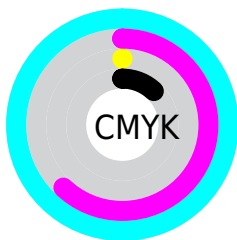
Distribution



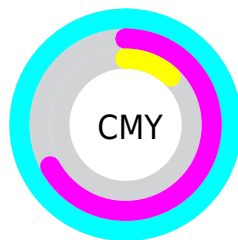
- Red (0%)
- Green (33%)
- Blue (88%)



- Red (0%)
- Yellow (24%)
- Blue (88%)



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (67%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 83.256, 294.310 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, 83.256, 294.310 by changing the saturation by 10% instead.


 41, 83.256,
294.310


 41, 83.256,
294.310


 100, 83.256,
294.310


 31, 83.256,
294.310

 61, 83.256,
294.310


 21, 83.256,
294.310

 71, 83.256,
294.310


 11, 83.256,
294.310


 81, 83.256,
294.310

 1, 83.256, 294.310

 91, 83.256,
294.310

 0, 83.256, 294.310

 41, 83.256,

 41, 83.256,

294.310

294.310

■ 41, 83.255,
294.318

■ 45, 74.242,
290.500

■ 49, 65.364,
286.614

■ 54, 56.707,
282.942

■ 58, 48.265,
279.618

■ 63, 39.988,
276.696

■ 68, 31.831,
274.176

■ 74, 23.762,
272.024

■ 79, 15.770,
270.193

Harmonies

Complementary

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



41, 83.256, 294.310



65, 74.911, 70.873

Rectangle

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



41, 83.256, 294.310



41, 83.256, 344.310



41, 83.256, 114.310



41, 83.256, 164.310

Sweetspot

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



41, 83.255, 294.318



83, 26.405, 272.067



79, 71.316, 155.533



42, 18.050, 272.942



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, 83.255, 294.318



47, 92.554, 294.605



28, 120.609, 306.642



44, 4.464, 268.569



32, 68.349, 293.674



6, 22.746, 284.178

Inverse Universe

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



48, 77.367, 14.415



54, 85.454, 14.851



85, 88.708, 110.036



44, 5.325, 351.521



37, 64.450, 13.458



6, 25.593, 3.064

Previews

White Background



This preview shows how the CIE LCh color 41, 83.256, 294.310 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, 83.256, 294.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

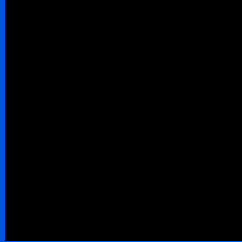
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 83.256, 294.310

Background



This preview shows how black text looks on a background with the CIELCh color 41, 83.256, 294.310.



This preview shows how white text looks on a background with the CIELCh color 41, 83.256, 294.310.

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, 83.256, 294.310

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 43.795, 273.417



Tritanopia
41, 25.700, 204.830

Trichromacy



Original Color
41, 83.256, 294.310

Protanomaly
41, 70.073, 289.986

Deuteranomaly
41, 57.502, 284.130

Tritanomaly
40, 36.340, 264.493

Monochromacy



Original Color
41, 83.256, 294.310

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 32.058, 279.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 83.256, 294.310 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, 85, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 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, 85, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 83.256, 294.310 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, 85, 224) }
```

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

```
.border{ border-color:rgb(0, 85, 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, 85, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 224)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 83.256, 294.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 224) }
```

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

```
.background{ background-color: rgb(0, 85,  
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](#).

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