

Converting Colors

CIELCh(45, 83.862, 292.729)

Have a look what the booklet for
CIELCh(45, 83.862, 292.729)
contains.

CIELCh(45, 83.865, 292.848)	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(45, 83.865, 292.848)

Conversions

Conversions Part 1

Format	Color
Hex	0060EE
RGB	0, 96, 238
RGB Percent	0%, 38%, 93%
CMY	0.9995, 0.6235, 0.0666
CMYK	1.00, 0.60, 0.00, 0.07
HSL	216°, 100%, 47%
HSV	216°, 100%, 93%
XYZ	19.6190, 14.5417, 82.6710
YIQ	83.4840, -102.7980, 23.8100

Conversions

Conversions Part 2

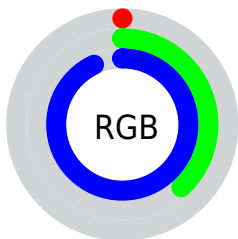
Format	Color
R _Y B	0, 68, 238
Decimal	24814
CIE Lab	45.00, 32.56, -77.28
CIE LCh	45, 83.865, 292.848
Yxy	14.5417, 0.1679, 0.1245
Android (android.graphics.Color)	4278214894 (0xFF0060EE)
YUV	83.4840, 76.1764, -73.2155
Hunter-Lab	38.1336, 25.1012, -101.8431

Details

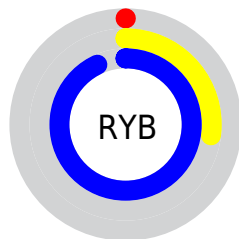
The CIELCh color **45, 83.865, 292.848** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **68, 78.701, 68.535**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 61.116, 287.751**, and **29, 81.579, 299.177** is the 20% darker color. If you saturate the color by 10%, you get **45, 83.918, 292.871**, and if you desaturate by 10%, it is **49, 74.828, 288.868**.

Distribution



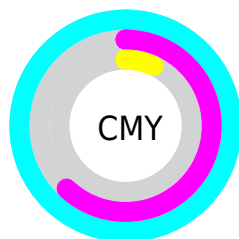
- Red (0%)
- Green (38%)
- Blue (93%)



- Red (0%)
- Yellow (27%)
- Blue (93%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (62%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 83.865, 292.848 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 45, 83.865, 292.848 by changing the saturation by 10% instead.

 45, 83.865,
292.848

 45, 83.865,
292.848


 100, 83.865,
292.848

 35, 83.865,
292.848

 65, 83.865,
292.848


 25, 83.865,
292.848

 75, 83.865,
292.848

 15, 83.865,
292.848

 85, 83.865,
292.848

 5, 83.865, 292.848

 95, 83.865,
292.848

 0, 83.865, 292.848

 45, 83.865,

 45, 83.865,

292.848

292.848

■ 45, 83.918,
292.871

■ 49, 74.828,
288.868

■ 53, 65.978,
284.851

■ 58, 57.356,
281.074

■ 63, 48.925,
277.669

■ 68, 40.623,
274.688

■ 73, 32.400,
272.123

■ 78, 24.226,
269.938

■ 84, 16.093,
268.086

Harmonies

Complementary

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



45, 83.865, 292.848



68, 78.701, 68.535

Rectangle

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



45, 83.865, 292.848



45, 83.865, 342.848



45, 83.865, 112.848



45, 83.865, 162.848

Sweetspot

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



45, 83.866, 292.850



83, 25.670, 269.973



83, 77.753, 153.358



42, 17.532, 270.856



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 83.866, 292.850



48, 88.767, 293.025



30, 126.559, 306.490



47, 4.599, 266.460



35, 67.879, 292.184



8, 25.322, 285.400

Inverse Universe

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



51, 80.581, 12.275



54, 84.951, 12.523



90, 92.452, 108.041



47, 5.702, 350.041



39, 66.227, 11.350



8, 28.849, 3.228

Previews

White Background



This preview shows how the CIE LCh color 45, 83.865, 292.848 looks on a white background.

Color Contrast Check

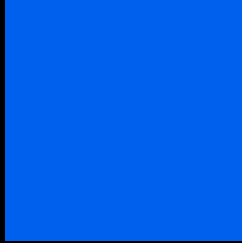
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 83.865, 292.848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

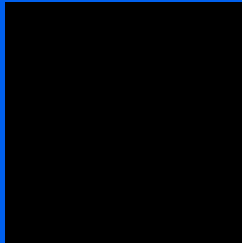
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 83.865, 292.848

Background



This preview shows how black text looks on a background with the CIELCh color 45, 83.865, 292.848.



This preview shows how white text looks on a background with the CIELCh color 45, 83.865, 292.848.

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

45, 83.865, 292.848

Protanopia

45, 68.040, 287.161

Deuteranopia

45, 47.326, 273.819



Tritanopia
45, 27.517, 205.432

Trichromacy



Original Color
45, 83.865, 292.848

Protanomaly
45, 73.684, 289.452

Deuteranomaly
45, 60.249, 283.422

Tritanomaly
44, 37.664, 262.300

Monochromacy



Original Color
45, 83.865, 292.848

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 32.903, 278.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 83.865, 292.848 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 96, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 96, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 83.865, 292.848 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, 238) }
```

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

```
.border{ border-color:rgb(0, 96, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 96, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 96, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 96, 238)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 83.865, 292.848 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, 238) }
```

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

```
.background{ background-color: rgb(0, 96,  
238) }
```

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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