

Converting Colors

CIELCh(44, 87.898, 295.053)

Have a look what the booklet for
CIELCh(44, 87.898, 295.053)
contains.

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Color

CIELCh(44, 87.438, 294.913)

Conversions

Conversions Part 1

Format	Color
Hex	175BEF
RGB	23, 91, 239
RGB Percent	9%, 36%, 94%
CMY	0.9096, 0.6441, 0.0639
CMYK	0.90, 0.62, 0.00, 0.06
HSL	221°, 87%, 51%
HSV	221°, 90%, 94%
XYZ	19.6108, 13.8382, 83.0697
YIQ	87.5400, -88.0360, 31.6120

Conversions

Conversions Part 2

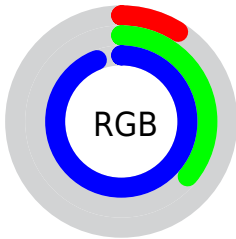
Format	Color
R_{YB}	23, 75, 239
Decimal	1530863
CIE _{Lab}	44.00, 36.83, -79.30
CIE _{LCh}	44, 87.438, 294.913
Yxy	13.8382, 0.1683, 0.1188
Android (android.graphics.Color)	4279720943 (0xFF175BEF)
YUV	87.5400, 74.6698, -56.6016
Hunter-Lab	37.1997, 29.0012, -106.3590

Details

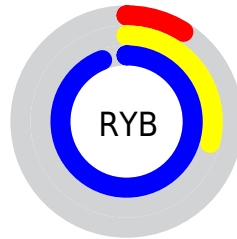
The CIELCh color **44, 87.438, 294.913** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **75, 75.987, 79.294**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 63.900, 290.874**, and **28, 84.620, 300.231** is the 20% darker color. If you saturate the color by 10%, you get **40, 97.510, 298.213**, and if you desaturate by 10%, it is **49, 76.851, 291.335**.

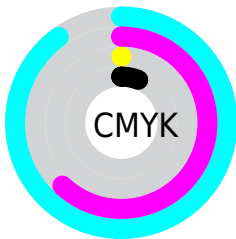
Distribution



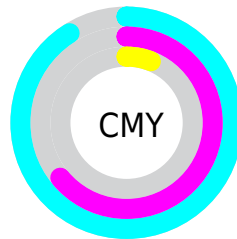
- Red (9%)
- Green (36%)
- Blue (94%)



- Red (9%)
- Yellow (29%)
- Blue (94%)



- Cyan (90%)
- Magenta (62%)
- Yellow (0%)
- Black (6%)



- Cyan (91%)
- Magenta (64%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 87.438, 294.913 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, 87.438, 294.913 by changing the saturation by 10% instead.


 44, 87.438,
294.913


 44, 87.438,
294.913


 100, 87.438,
294.913

 34, 87.438,
294.913

 64, 87.438,
294.913


 24, 87.438,
294.913

 74, 87.438,
294.913

 14, 87.438,
294.913

 84, 87.438,
294.913

 4, 87.438, 294.913

 94, 87.438,
294.913

 0, 87.438, 294.913

 44, 87.438,

 44, 87.438,

294.913

■ 40, 97.510,
298.213

294.913

■ 49, 76.851,
291.335

■ 54, 66.424,
287.875

■ 59, 56.279,
284.698

■ 65, 46.422,
281.880

■ 71, 36.815,
279.434

■ 77, 27.422,
277.336

■ 82, 18.215,
275.546

■ 88, 9.180, 274.026

Harmonies

Complementary

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



44, 87.438, 294.913



75, 75.987, 79.294

Rectangle

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



44, 87.438, 294.913



44, 87.438, 344.913



44, 87.438, 114.913



44, 87.438, 164.913

Sweetspot

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



44, 87.439, 294.914



83, 25.667, 276.723



84, 65.755, 162.290



42, 17.351, 277.371



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, 87.439, 294.914



43, 102.885, 298.336



34, 120.279, 306.848



47, 5.058, 273.908



30, 78.730, 297.630



6, 28.912, 290.919

Inverse Universe

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



51, 79.472, 15.583



54, 87.672, 21.080



89, 91.852, 113.308



47, 5.423, 355.846



39, 68.065, 19.813



8, 28.766, 9.438

Previews

White Background



This preview shows how the CIE LCh color 44, 87.438, 294.913 looks on a white background.

Color Contrast Check

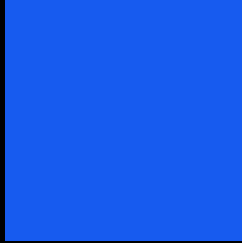
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.438, 294.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

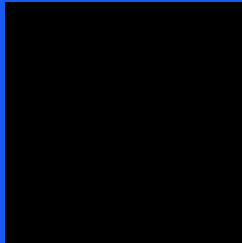
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 87.438, 294.913

Background



This preview shows how black text looks on a background with the CIELCh color 44, 87.438, 294.913.



This preview shows how white text looks on a background with the CIELCh color 44, 87.438, 294.913.

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, 87.447, 294.880

Protanopia

44, 66.600, 287.150

Deuteranopia

44, 46.325, 273.752



Tritanopia
44, 27.084, 204.294

Trichromacy



Original Color
44, 87.447, 294.880

Protanomaly
44, 73.969, 290.404

Deuteranomaly
43, 60.967, 284.868

Tritanomaly
43, 38.277, 265.459

Monochromacy



Original Color
44, 87.447, 294.880

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 33.569, 283.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 87.438, 294.913 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(23, 91, 239)` looks like.

```
.text, #text, p{  
    color:rgb(23, 91, 239)  
}
```

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(23, 91, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 91, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 87.438, 294.913 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(23, 91, 239) }
```

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

```
.border{ border-color:rgb(23, 91, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 91, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 91, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 91, 239);  
box-shadow:4px 4px 4px 4px rgb(23, 91,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 87.438, 294.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 91, 239) }
```

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

```
.background{ background-color: rgb(23, 91,  
239) }
```

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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