

Converting Colors

CIELCh(42, 80.107, 292.964)

Have a look what the booklet for
CIELCh(42, 80.107, 292.964)
contains.

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Color

CIELCh(42, 80.137, 292.988)

Conversions

Conversions Part 1

Format	Color
Hex	0159DF
RGB	1, 89, 223
RGB Percent	0%, 35%, 87%
CMY	0.9972, 0.6506, 0.1250
CMYK	1.00, 0.60, 0.00, 0.13
HSL	216°, 99%, 44%
HSV	216°, 100%, 87%
XYZ	16.9247, 12.5000, 71.4196
YIQ	77.9640, -95.4620, 23.0180

Conversions

Conversions Part 2

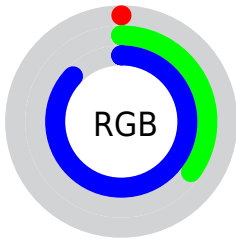
Format	Color
R _Y B	1, 64, 223
Decimal	88543
CIE Lab	42.00, 31.30, -73.77
CIE LCh	42, 80.137, 292.988
Yxy	12.5000, 0.1678, 0.1240
Android (android.graphics.Color)	4278278623 (0xFF0159DF)
YUV	77.9640, 71.5027, -67.4974
Hunter-Lab	35.3553, 23.5768, -95.0201

Details

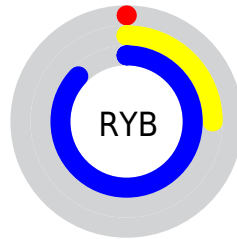
The CIELCh color **42, 80.137, 292.988** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **64, 74.775, 69.265**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 65.859, 290.274**, and **26, 77.714, 299.539** is the 20% darker color. If you saturate the color by 10%, you get **42, 80.415, 293.106**, and if you desaturate by 10%, it is **46, 71.466, 289.051**.

Distribution



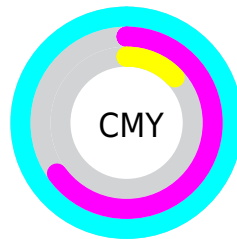
- Red (0%)
- Green (35%)
- Blue (87%)



- Red (0%)
- Yellow (25%)
- Blue (87%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (65%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 80.137, 292.988 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 42, 80.137, 292.988 by changing the saturation by 10% instead.


 42, 80.137,
292.988


 42, 80.137,
292.988


 100, 80.137,
292.988


 32, 80.137,
292.988

 62, 80.137,
292.988


 22, 80.137,
292.988

 72, 80.137,
292.988

 12, 80.137,
292.988

 82, 80.137,
292.988

 2, 80.137, 292.988

 92, 80.137,
292.988

 0, 80.137, 292.988

 42, 80.137,

 42, 80.137,

292.988

292.988

■ 42, 80.415,
293.106

■ 46, 71.466,
289.051

■ 50, 62.971,
285.084

■ 54, 54.693,
281.359

■ 59, 46.601,
278.001

■ 64, 38.640,
275.060

■ 69, 30.761,
272.529

■ 74, 22.939,
270.371

■ 79, 15.164,
268.539

Harmonies

Complementary

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



42, 80.137, 292.988



64, 74.775, 69.265

Rectangle

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



42, 80.137, 292.988



42, 80.137, 342.988



42, 80.137, 112.988



42, 80.137, 162.988

Sweetspot

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



42, 80.137, 292.990



83, 25.841, 270.479



79, 72.404, 154.538



42, 17.653, 271.360



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 80.137, 292.990



48, 89.663, 293.411



28, 120.266, 306.552



44, 4.381, 266.961



33, 66.213, 292.449



6, 22.205, 283.088

Inverse Universe

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



48, 76.736, 12.479



54, 85.055, 13.076



85, 88.187, 109.024



44, 5.382, 350.383



37, 64.210, 11.715



6, 25.676, 1.908

Previews

White Background



This preview shows how the CIE LCh color 42, 80.137, 292.988 looks on a white background.

Color Contrast Check

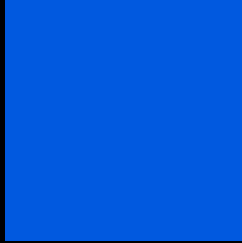
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 80.137, 292.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

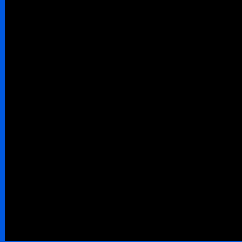
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 80.137, 292.988

Background



This preview shows how black text looks on a background with the CIELCh color 42, 80.137, 292.988.



This preview shows how white text looks on a background with the CIELCh color 42, 80.137, 292.988.

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


42, 80.132, 293.010

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 45.337, 274.263



Tritanopia
42, 26.221, 204.620

Trichromacy



Original Color
42, 80.132, 293.010

Protanomaly
42, 69.827, 289.380

Deuteranomaly
42, 57.335, 283.402

Tritanomaly
41, 35.986, 262.754

Monochromacy



Original Color
42, 80.132, 293.010

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 31.379, 278.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 80.137, 292.988 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(1, 89, 223)` looks like.

```
.text, #text, p{  
    color:rgb(1, 89, 223)  
}
```

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(1, 89, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 89, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 80.137, 292.988 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(1, 89, 223) }
```

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

```
.border{ border-color:rgb(1, 89, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 89, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 89, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 89, 223);  
box-shadow:4px 4px 4px 4px rgb(1, 89, 223)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 80.137, 292.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 89, 223) }
```

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

```
.background{ background-color: rgb(1, 89,  
223) }
```

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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