

Converting Colors

CIELCh(48, 78.090, 289.956)

Have a look what the booklet for
CIELCh(48, 78.090, 289.956)
contains.

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Color

CIELCh(48, 77.988, 289.881)

Conversions

Conversions Part 1

Format	Color
Hex	086BF0
RGB	8, 107, 240
RGB Percent	3%, 42%, 94%
CMY	0.9671, 0.5813, 0.0599
CMYK	0.97, 0.55, 0.00, 0.06
HSL	214°, 93%, 49%
HSV	214°, 97%, 94%
XYZ	21.0233, 16.7945, 84.3509
YIQ	92.5610, -101.6970, 20.3750

Conversions

Conversions Part 2

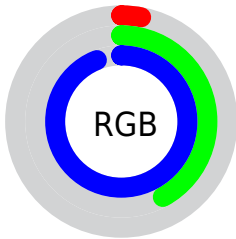
Format	Color
RYB	8, 77, 240
Decimal	551920
CIELab	48.00, 26.52, -73.34
CIELCh	48, 77.988, 289.881
Yxy	16.7945, 0.1721, 0.1375
Android (android.graphics.Color)	4278742000 (0xFF086BF0)
YUV	92.5610, 72.6874, -74.1600
Hunter-Lab	40.9810, 19.8540, -93.3494

Details

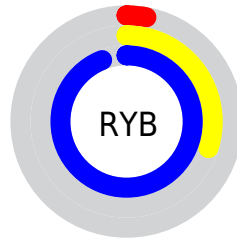
The CIELCh color **48, 77.988, 289.881** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **68, 78.244, 67.454**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.358, 282.740**, and **31, 76.188, 296.575** is the 20% darker color. If you saturate the color by 10%, you get **47, 81.041, 291.276**, and if you desaturate by 10%, it is **52, 69.411, 285.698**.

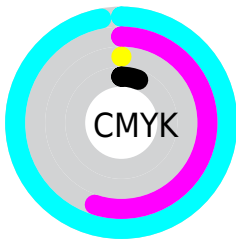
Distribution



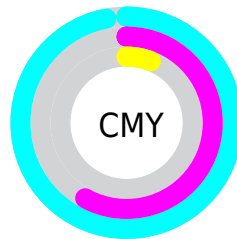
- Red (3%)
- Green (42%)
- Blue (94%)



- Red (3%)
- Yellow (30%)
- Blue (94%)



- Cyan (97%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)



- Cyan (97%)
- Magenta (58%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 77.988, 289.881 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 48, 77.988, 289.881 by changing the saturation by 10% instead.

 48, 77.988,
289.881


 48, 77.988,
289.881


 100, 77.988,
289.881


 38, 77.988,
289.881

 68, 77.988,
289.881


 28, 77.988,
289.881

 78, 77.988,
289.881

 18, 77.988,
289.881

 88, 77.988,
289.881

 8, 77.988, 289.881

 98, 77.988,
289.881

 0, 77.988, 289.881

 48, 77.988,

 48, 77.988,

289.881

289.881

■ 47, 81.041,
291.276

■ 52, 69.411,
285.698

■ 56, 61.056,
281.644

■ 61, 52.898,
277.912

■ 66, 44.868,
274.599

■ 71, 36.901,
271.727

■ 76, 28.954,
269.274

■ 81, 21.012,
267.195

■ 86, 13.073,
265.437

Harmonies

Complementary

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



48, 77.988, 289.881



68, 78.244, 67.454

Rectangle

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



48, 77.988, 289.881



48, 77.988, 339.881



48, 77.988, 109.881



48, 77.988, 159.881

Sweetspot

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



48, 77.988, 289.883



84, 24.176, 267.701



84, 78.163, 153.139



43, 16.593, 268.586



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 77.988, 289.883



50, 85.224, 291.419



31, 125.771, 306.256



47, 4.498, 264.377



36, 65.177, 290.546



8, 24.372, 283.542

Inverse Universe

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



52, 80.038, 8.413



54, 84.630, 10.321



91, 92.152, 106.948



47, 5.780, 348.685



39, 66.040, 9.188



8, 28.932, 1.487

Previews

White Background



This preview shows how the CIE LCh color 48, 77.988, 289.881 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 CIELCh color 48, 77.988, 289.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

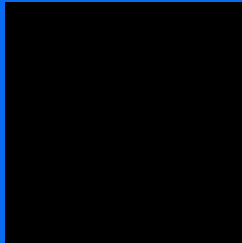
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

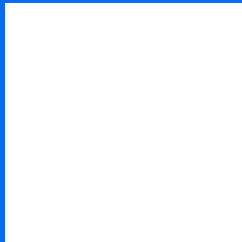
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 77.988, 289.881

Background



This preview shows how black text looks on a background with the CIELCh color 48, 77.988, 289.881.



This preview shows how white text looks on a background with the CIELCh color 48, 77.988, 289.881.

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

48, 77.997, 289.841

Protanopia

48, 72.457, 287.569

Deuteranopia

48, 50.828, 274.917



Tritanopia
48, 28.876, 204.902

Trichromacy



Original Color
48, 77.997, 289.841

Protanomaly
48, 74.686, 288.554

Deuteranomaly
48, 60.327, 281.763

Tritanomaly
47, 36.769, 257.504

Monochromacy



Original Color
48, 77.997, 289.841

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 30.367, 274.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 77.988, 289.881 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(8, 107, 240)` looks like.

```
.text, #text, p{  
    color:rgb(8, 107, 240)  
}
```

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(8, 107, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 107, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 77.988, 289.881 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(8, 107, 240) }
```

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

```
.border{ border-color:rgb(8, 107, 240) }
```

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

Here you see how a box with a 4 pixel rgb(8, 107, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 107, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 107, 240);  
box-shadow:4px 4px 4px 4px rgb(8, 107,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 77.988, 289.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 107, 240) }
```

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

```
.background{ background-color: rgb(8, 107,  
240) }
```

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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