

Converting Colors

CIELCh(47, 77.501, 289.769)

Have a look what the booklet for
CIELCh(47, 77.501, 289.769)
contains.

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Color

CIELCh(47, 77.732, 290.048)

Conversions

Conversions Part 1

Format	Color
Hex	0168EC
RGB	1, 104, 236
RGB Percent	0%, 41%, 93%
CMY	0.9944, 0.5914, 0.0736
CMYK	0.99, 0.56, 0.00, 0.07
HSL	214°, 99%, 47%
HSV	214°, 99%, 93%
XYZ	20.1626, 16.0195, 81.5686
YIQ	88.2510, -103.7600, 19.2160

Conversions

Conversions Part 2

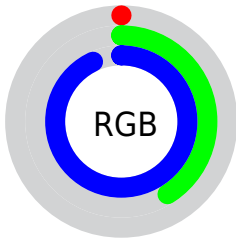
Format	Color
R_{YB}	1, 73, 236
Decimal	92396
CIE Lab	47.00, 26.65, -73.02
CIE LCh	47, 77.732, 290.048
Yxy	16.0195, 0.1712, 0.1360
Android (android.graphics.Color)	4278282476 (0xFF0168EC)
YUV	88.2510, 72.8403, -76.5191
Hunter-Lab	40.0243, 19.8783, -92.8146

Details

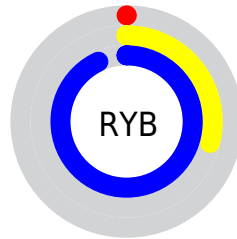
The CIELCh color **47, 77.732, 290.048** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **66, 78.670, 65.524**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 56.641, 284.033**, and **30, 75.264, 296.723** is the 20% darker color. If you saturate the color by 10%, you get **47, 78.245, 290.290**, and if you desaturate by 10%, it is **51, 69.447, 285.844**.

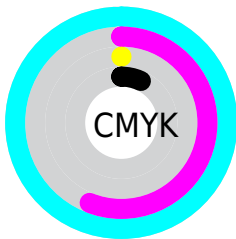
Distribution



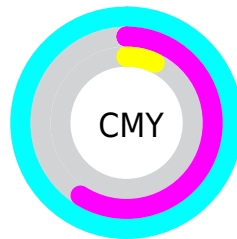
- Red (0%)
- Green (41%)
- Blue (93%)



- Red (0%)
- Yellow (29%)
- Blue (93%)



- Cyan (99%)
- Magenta (56%)
- Yellow (0%)
- Black (7%)



- Cyan (99%)
- Magenta (59%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 77.732, 290.048 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 47, 77.732, 290.048 by changing the saturation by 10% instead.

 47, 77.732,
290.048

 47, 77.732,
290.048

 100, 77.732,
290.048

 37, 77.732,
290.048

 67, 77.732,
290.048

 27, 77.732,
290.048

 77, 77.732,
290.048

 17, 77.732,
290.048

 87, 77.732,
290.048

 7, 77.732, 290.048

 97, 77.732,
290.048

 0, 77.732, 290.048

 47, 77.732,

 47, 77.732,

290.048

290.048

■ 47, 78.245,
290.290

■ 51, 69.447,
285.844

■ 55, 61.388,
281.676

■ 59, 53.525,
277.801

■ 64, 45.785,
274.337

■ 69, 38.096,
271.324

■ 74, 30.411,
268.747

■ 79, 22.709,
266.561

■ 84, 14.988,
264.714

Harmonies

Complementary

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



47, 77.732, 290.048



66, 78.670, 65.524

Rectangle

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



47, 77.732, 290.048



47, 77.732, 340.048



47, 77.732, 110.048



47, 77.732, 160.048

Sweetspot

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



47, 77.732, 290.050



84, 24.660, 266.709



83, 80.020, 151.546



42, 16.819, 267.601



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 77.732, 290.050



50, 83.269, 290.472



30, 125.794, 306.357



46, 4.367, 263.177



36, 62.964, 289.536



8, 22.944, 281.978

Inverse Universe

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



51, 79.633, 8.573



54, 84.515, 9.094



90, 91.537, 105.978



46, 5.723, 347.945



39, 65.301, 7.931



8, 28.135, 0.060

Previews

White Background



This preview shows how the CIE LCh color 47, 77.732, 290.048 looks on a white background.

Color Contrast Check

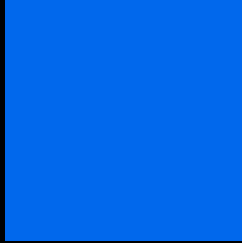
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 77.732, 290.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

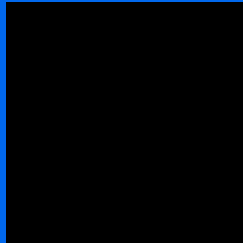
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

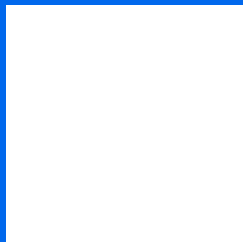
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 77.732, 290.048

Background



This preview shows how black text looks on a background with the CIELCh color 47, 77.732, 290.048.



This preview shows how white text looks on a background with the CIELCh color 47, 77.732, 290.048.

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

47, 77.727, 290.069

Protanopia

47, 70.968, 287.375

Deuteranopia

47, 49.832, 274.621



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 77.727, 290.069

Protanomaly
47, 73.214, 288.344

Deuteranomaly
47, 59.942, 282.094

Tritanomaly
46, 36.641, 258.304

Monochromacy



Original Color
47, 77.727, 290.069

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 30.620, 273.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 77.732, 290.048 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, 104, 236)` looks like.

```
.text, #text, p{  
    color:rgb(1, 104, 236)  
}
```

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, 104, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 104, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 77.732, 290.048 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, 104, 236) }
```

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

```
.border{ border-color:rgb(1, 104, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 104, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 104, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 104, 236);  
box-shadow:4px 4px 4px 4px rgb(1, 104,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 77.732, 290.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 104, 236) }
```

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

```
.background{ background-color: rgb(1, 104,  
236) }
```

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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