

Converting Colors

CIELCh(47, 78.331, 290.507)

Have a look what the booklet for
CIELCh(47, 78.331, 290.507)
contains.

CIELCh(47, 78.226, 290.434)	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(47, 78.226, 290.434)

Conversions

Conversions Part 1

Format	Color
Hex	0A68ED
RGB	10, 104, 237
RGB Percent	4%, 41%, 93%
CMY	0.9623, 0.5930, 0.0716
CMYK	0.96, 0.56, 0.00, 0.07
HSL	215°, 92%, 48%
HSV	215°, 96%, 93%
XYZ	20.2975, 16.0195, 81.9488
YIQ	91.0560, -98.7170, 21.4350

Conversions

Conversions Part 2

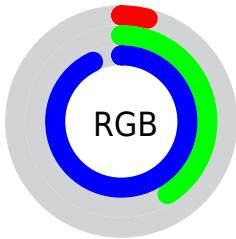
Format	Color
<code>RYB</code>	<code>10, 76, 237</code>
Decimal	<code>682221</code>
CIELab	<code>47.00, 27.31, -73.30</code>
CIELCh	<code>47, 78.226, 290.434</code>
Yxy	<code>16.0195, 0.1716, 0.1355</code>
Android (<code>android.graphics.Color</code>)	<code>4278872301 (0xFF0A68ED)</code>
YUV	<code>91.0560, 71.9504, -71.0861</code>
Hunter-Lab	<code>40.0243, 20.4802, -93.3777</code>

Details

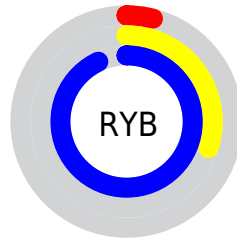
The CIELCh color **47, 78.226, 290.434** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **68, 77.158, 68.612**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 56.574, 284.455**, and **30, 75.826, 296.839** is the 20% darker color. If you saturate the color by 10%, you get **45, 81.809, 292.031**, and if you desaturate by 10%, it is **51, 69.530, 286.312**.

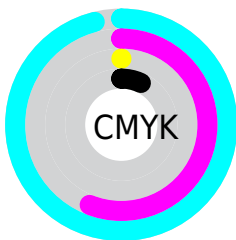
Distribution



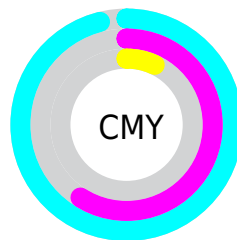
- Red (4%)
- Green (41%)
- Blue (93%)



- Red (4%)
- Yellow (30%)
- Blue (93%)



- Cyan (96%)
- Magenta (56%)
- Yellow (0%)
- Black (7%)



- Cyan (96%)
- Magenta (59%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 78.226, 290.434 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, 78.226, 290.434 by changing the saturation by 10% instead.

 47, 78.226,
290.434

 47, 78.226,
290.434


 100, 78.226,
290.434

 37, 78.226,
290.434

 67, 78.226,
290.434

 27, 78.226,
290.434

 77, 78.226,
290.434

 17, 78.226,
290.434

 87, 78.226,
290.434

 7, 78.226, 290.434

 97, 78.226,
290.434

 0, 78.226, 290.434

 47, 78.226,

 47, 78.226,

290.434

290.434

■ 45, 81.809,
292.031

■ 51, 69.530,
286.312

■ 55, 61.051,
282.322

■ 60, 52.777,
278.649

■ 65, 44.647,
275.387

■ 70, 36.598,
272.558

■ 75, 28.590,
270.140

■ 80, 20.605,
268.088

■ 85, 12.641,
266.351

Harmonies

Complementary

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



47, 78.226, 290.434



68, 77.158, 68.612

Rectangle

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



47, 78.226, 290.434



47, 78.226, 340.434



47, 78.226, 110.434



47, 78.226, 160.434

Sweetspot

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



47, 78.226, 290.436



84, 24.474, 268.702



83, 75.726, 154.276



42, 16.804, 269.585



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, 78.226, 290.436



49, 86.913, 292.201



31, 124.170, 306.303



46, 4.466, 265.379



35, 65.707, 291.300



8, 23.853, 283.923

Inverse Universe

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



51, 79.229, 9.117



54, 84.765, 11.373



90, 91.326, 107.926



46, 5.641, 349.325



38, 65.428, 10.164



8, 28.019, 1.792

Previews

White Background



This preview shows how the CIE LCh color 47, 78.226, 290.434 looks on a white background.

Color Contrast Check

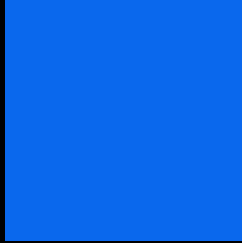
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.226, 290.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

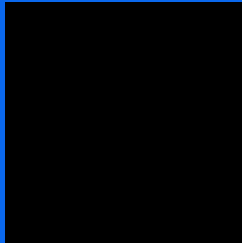
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 78.226, 290.434

Background



This preview shows how black text looks on a background with the CIELCh color 47, 78.226, 290.434.



This preview shows how white text looks on a background with the CIELCh color 47, 78.226, 290.434.

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, 78.230, 290.413

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 49.832, 274.621



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 78.230, 290.413

Protanomaly
47, 73.204, 288.391

Deuteranomaly
47, 59.928, 282.159

Tritanomaly
46, 36.595, 258.428

Monochromacy



Original Color
47, 78.230, 290.413

Achromatopsia
39, 0.005, 296.813

Achromatomaly
40, 30.378, 274.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 78.226, 290.434 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(10, 104, 237)` looks like.

```
.text, #text, p{  
    color:rgb(10, 104, 237)  
}
```

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(10, 104, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 104, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 78.226, 290.434 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(10, 104, 237) }
```

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

```
.border{ border-color:rgb(10, 104, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 104, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(10, 104, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(10, 104, 237); box-shadow:4px 4px 4px 4px rgb(10, 104, 237) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 78.226, 290.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 104, 237) }
```

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

```
.background{ background-color: rgb(10, 104,  
237) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor