

Converting Colors

CIELCh(47, 77.082, 290.378)

Have a look what the booklet for
CIELCh(47, 77.082, 290.378)
contains.

CIELCh(47, 77.082, 290.378)	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, 77.082, 290.378)

Conversions

Conversions Part 1

Format	Color
Hex	1468EB
RGB	20, 104, 235
RGB Percent	8%, 41%, 92%
CMY	0.9230, 0.5925, 0.0788
CMYK	0.92, 0.56, 0.00, 0.08
HSL	217°, 85%, 50%
HSV	217°, 92%, 92%
XYZ	20.2019, 16.0195, 80.5437
YIQ	93.8180, -92.1150, 22.9330

Conversions

Conversions Part 2

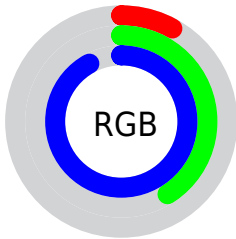
Format	Color
R _Y B	20, 80, 235
Decimal	1337579
CIE Lab	47.00, 26.84, -72.26
CIE LCh	47, 77.082, 290.378
Yxy	16.0195, 0.1730, 0.1372
Android (android.graphics.Color)	4279527659 (0xFF1468EB)
YUV	93.8180, 69.6027, -64.7384
Hunter-Lab	40.0243, 20.0538, -91.2963

Details

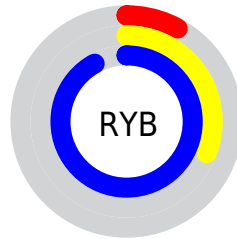
The CIELCh color **47, 77.082, 290.378** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **69, 74.926, 71.945**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.509, 284.885**, and **30, 75.364, 296.915** is the 20% darker color. If you saturate the color by 10%, you get **44, 84.746, 293.630**, and if you desaturate by 10%, it is **51, 68.058, 286.404**.

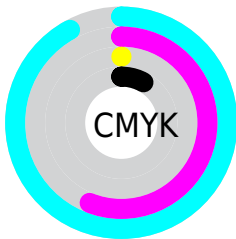
Distribution



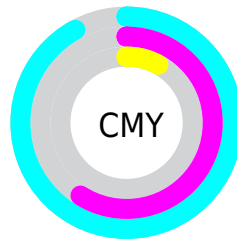
- Red (8%)
- Green (41%)
- Blue (92%)



- Red (8%)
- Yellow (31%)
- Blue (92%)



- Cyan (92%)
- Magenta (56%)
- Yellow (0%)
- Black (8%)



- Cyan (92%)
- Magenta (59%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 77.082, 290.378 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, 77.082, 290.378 by changing the saturation by 10% instead.

 47, 77.082,
290.378

 47, 77.082,
290.378

 100, 77.082,
290.378


 37, 77.082,
290.378

 67, 77.082,
290.378

 27, 77.082,
290.378

 77, 77.082,
290.378

 17, 77.082,
290.378

 87, 77.082,
290.378

 7, 77.082, 290.378

 97, 77.082,
290.378

 0, 77.082, 290.378

 47, 77.082,

 47, 77.082,

290.378

■ 44, 84.746,
293.630

290.378

■ 51, 68.058,
286.404

■ 56, 59.259,
282.623

■ 61, 50.674,
279.186

■ 66, 42.249,
276.158

■ 71, 33.932,
273.544

■ 76, 25.689,
271.312

■ 81, 17.506,
269.416

■ 87, 9.382, 267.813

Harmonies

Complementary

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



47, 77.082, 290.378



69, 74.926, 71.945

Rectangle

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



47, 77.082, 290.378



47, 77.082, 340.378



47, 77.082, 110.378



47, 77.082, 160.378

Sweetspot

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



47, 77.082, 290.380



85, 23.396, 270.417



83, 72.020, 156.303



43, 15.784, 271.091



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, 77.082, 290.380



47, 90.612, 293.812



32, 120.762, 306.181



46, 4.572, 267.502



34, 68.499, 292.946



7, 24.747, 285.625

Inverse Universe

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



51, 77.855, 9.139



54, 85.176, 13.660



89, 89.930, 108.775



46, 5.563, 350.758



38, 65.674, 12.410



7, 27.930, 3.469

Previews

White Background



This preview shows how the CIE LCh color 47, 77.082, 290.378 looks on a white background.

Color Contrast Check

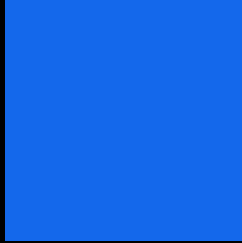
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.082, 290.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

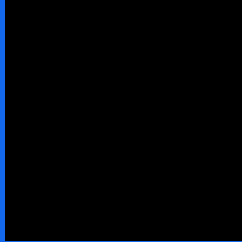
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

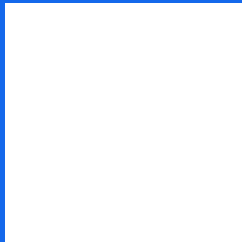
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 77.082, 290.378

Background



This preview shows how black text looks on a background with the CIELCh color 47, 77.082, 290.378.



This preview shows how white text looks on a background with the CIELCh color 47, 77.082, 290.378.

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, 77.082, 290.378

Protanopia

47, 71.039, 287.569

Deuteranopia

47, 50.358, 275.287



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 77.082, 290.378

Protanomaly
47, 73.260, 288.674

Deuteranomaly
47, 59.899, 282.289

Tritanomaly
46, 36.505, 258.676

Monochromacy



Original Color
47, 77.082, 290.378

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 29.475, 275.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 77.082, 290.378 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(20, 104, 235)` looks like.

```
.text, #text, p{  
    color:rgb(20, 104, 235)  
}
```

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(20, 104, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 104, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 77.082, 290.378 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(20, 104, 235) }
```

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

```
.border{ border-color:rgb(20, 104, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 104, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 104, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 104, 235);  
box-shadow:4px 4px 4px 4px rgb(20, 104,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 77.082, 290.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 104, 235) }
```

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

```
.background{ background-color: rgb(20, 104,  
235) }
```

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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