

Converting Colors

CIELCh(47, 75.172, 290.052)

Have a look what the booklet for
CIELCh(47, 75.172, 290.052)
contains.

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Color

CIELCh(47, 75.386, 290.192)

Conversions

Conversions Part 1

Format	Color
Hex	1C68E8
RGB	28, 104, 232
RGB Percent	11%, 41%, 91%
CMY	0.8916, 0.5914, 0.0893
CMYK	0.88, 0.55, 0.00, 0.09
HSL	218°, 82%, 51%
HSV	218°, 88%, 91%
XYZ	20.0358, 16.0195, 78.5499
YIQ	95.8680, -86.3840, 23.6960

Conversions

Conversions Part 2

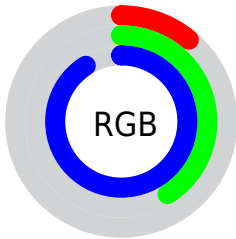
Format	Color
R _Y B	28, 83, 232
Decimal	1861864
CIE Lab	47.00, 26.02, -70.75
CIE LCh	47, 75.386, 290.192
Yxy	16.0195, 0.1748, 0.1398
Android (android.graphics.Color)	4280051944 (0xFF1C68E8)
YUV	95.8680, 67.1131, -59.5202
Hunter-Lab	40.0243, 19.3129, -88.3428

Details

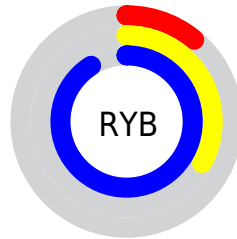
The CIELCh color **47, 75.386, 290.192** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **70, 72.677, 74.402**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.477, 285.103**, and **30, 73.672, 296.561** is the 20% darker color. If you saturate the color by 10%, you get **43, 84.743, 294.050**, and if you desaturate by 10%, it is **51, 66.175, 286.347**.

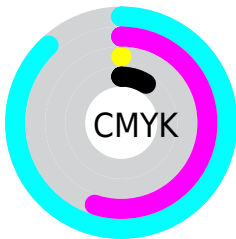
Distribution



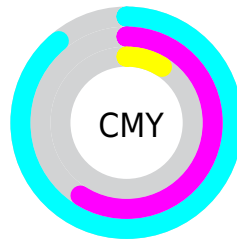
- Red (11%)
- Green (41%)
- Blue (91%)



- Red (11%)
- Yellow (33%)
- Blue (91%)



- Cyan (88%)
- Magenta (55%)
- Yellow (0%)
- Black (9%)





- Cyan (89%)
- Magenta (59%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 75.386, 290.192 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, 75.386, 290.192 by changing the saturation by 10% instead.


 47, 75.386,
290.192


 47, 75.386,
290.192


 100, 75.386,
290.192


 37, 75.386,
290.192

 67, 75.386,
290.192


 27, 75.386,
290.192

 77, 75.386,
290.192

 17, 75.386,
290.192

 87, 75.386,
290.192

 7, 75.386, 290.192

 97, 75.386,
290.192

 0, 75.386, 290.192

 47, 75.386,

 47, 75.386,

290.192

■ 43, 84.743,
294.050

■ 42, 86.532,
294.734

290.192

■ 51, 66.175,
286.347

■ 56, 57.199,
282.739

■ 61, 48.444,
279.490

■ 66, 39.860,
276.646

■ 72, 31.402,
274.197

■ 77, 23.042,
272.108

■ 82, 14.768,
270.333

■ 88, 6.576, 268.837

Harmonies

Complementary

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



47, 75.386, 290.192



70, 72.677, 74.402

Rectangle

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



47, 75.386, 290.192



47, 75.386, 340.192



47, 75.386, 110.192



47, 75.386, 160.192

Sweetspot

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



47, 75.386, 290.194



85, 22.982, 271.737



82, 68.505, 158.162



43, 15.606, 272.404



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, 75.386, 290.194



46, 93.385, 294.935



33, 116.743, 306.050



46, 4.656, 269.026



33, 70.598, 294.096



7, 25.398, 286.750

Inverse Universe

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



51, 76.098, 9.016



54, 85.587, 15.358



88, 88.126, 109.627



46, 5.507, 351.857



38, 65.936, 14.082



7, 27.880, 4.677

Previews

White Background



This preview shows how the CIE LCh color 47, 75.386, 290.192 looks on a white background.

Color Contrast Check

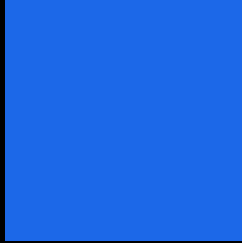
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.386, 290.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

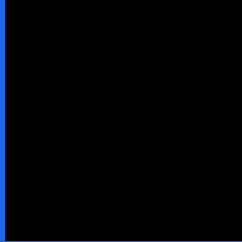
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

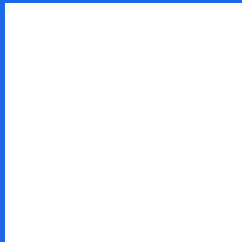
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 75.386, 290.192

Background



This preview shows how black text looks on a background with the CIELCh color 47, 75.386, 290.192.



This preview shows how white text looks on a background with the CIELCh color 47, 75.386, 290.192.

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, 75.376, 290.239

Protanopia

47, 71.039, 287.569

Deuteranopia

47, 50.358, 275.287



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 75.376, 290.239

Protanomaly
47, 72.699, 288.565

Deuteranomaly
47, 59.339, 282.109

Tritanomaly
46, 36.019, 258.105

Monochromacy



Original Color
47, 75.376, 290.239

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 29.235, 277.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 75.386, 290.192 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(28, 104, 232)` looks like.

```
.text, #text, p{  
    color:rgb(28, 104, 232)  
}
```

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(28, 104, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 104, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 75.386, 290.192 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(28, 104, 232) }
```

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

```
.border{ border-color:rgb(28, 104, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 104, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 104, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 104, 232);  
box-shadow:4px 4px 4px 4px rgb(28, 104,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 75.386, 290.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 104, 232) }
```

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

```
.background{ background-color: rgb(28, 104,  
232) }
```

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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