

Converting Colors

CIELCh(47, 48.718, 280.303)

Have a look what the booklet for
CIELCh(47, 48.718, 280.303)
contains.

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Color

CIELCh(47, 48.777, 280.403)

Conversions

Conversions Part 1

Format	Color
Hex	356FC0
RGB	53, 111, 192
RGB Percent	21%, 44%, 75%
CMY	0.7905, 0.5636, 0.2458
CMYK	0.72, 0.42, 0.00, 0.25
HSL	215°, 57%, 48%
HSV	215°, 72%, 75%
XYZ	16.7561, 16.0195, 52.2650
YIQ	102.8920, -60.5690, 12.8950

Conversions

Conversions Part 2

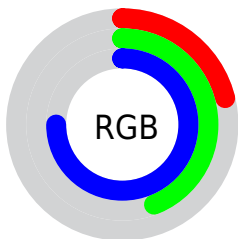
Format	Color
R_{YB}	53, 94, 192
Decimal	3502016
CIE _{Lab}	47.00, 8.81, -47.98
CIE _{LCh}	47, 48.777, 280.403
Yxy	16.0195, 0.1970, 0.1884
Android (android.graphics.Color)	4281692096 (0xFF356FC0)
YUV	102.8920, 43.9302, -43.7553
Hunter-Lab	40.0243, 4.6863, -49.4058

Details

The CIELCh color `47, 48.777, 280.403` is a dark color, and the websafe version is hex `0066CC`. The color can be described as dark muted azure. A complement of this color would be `61, 52.656, 73.864`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 48.911, 280.401`, and `28, 47.952, 286.312` is the 20% darker color. If you saturate the color by 10%, you get `43, 55.819, 284.220`, and if you desaturate by 10%, it is `51, 41.881, 276.952`.

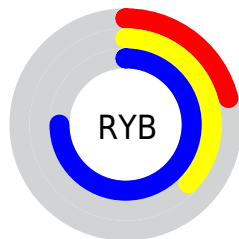
Distribution



Red (21%)

Green (44%)

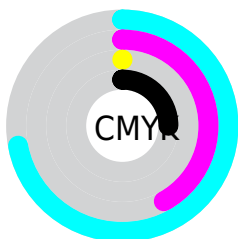
Blue (75%)



Red (21%)

Yellow (37%)

Blue (75%)

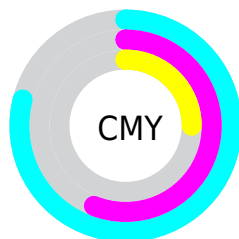


Cyan (72%)

Magenta (42%)

Yellow (0%)

Black (25%)



Cyan (79%)

Magenta (56%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 48.777, 280.403 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, 48.777, 280.403 by changing the saturation by 10% instead.

■ 47, 48.777,
280.403

■ 47, 48.777,
280.403

■ 100, 48.777,
280.403

■ 37, 48.777,
280.403

■ 67, 48.777,
280.403

■ 27, 48.777,
280.403

■ 77, 48.777,
280.403

■ 17, 48.777,
280.403

■ 87, 48.777,
280.403

■ 7, 48.777, 280.403

■ 97, 48.777,
280.403

■ 0, 48.777, 280.403

■ 47, 48.777,

■ 47, 48.777,

280.403

■ 43, 55.819,
284.220

■ 40, 63.046,
288.265

■ 37, 68.801,
291.344

280.403

■ 51, 41.881,
276.952

■ 55, 35.076,
273.920

■ 59, 28.319,
271.305

■ 64, 21.584,
269.074

■ 68, 14.863,
267.180

■ 72, 8.160, 265.578

■ 77, 1.484, 264.358

■ 81, 5.155, 82.917

■ 86, 11.746, 81.923

Harmonies

Complementary

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



47, 48.777, 280.403



61, 52.656, 73.864

Rectangle

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



47, 48.777, 280.403



47, 48.777, 330.403



47, 48.777, 100.403



47, 48.777, 150.403

Sweetspot

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



47, 48.776, 280.404



86, 18.206, 267.203



70, 53.591, 159.459



44, 12.236, 267.691



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



47, 48.776, 280.404



53, 73.365, 286.700



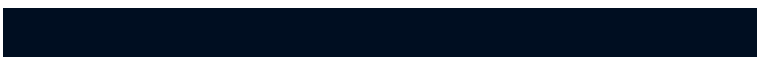
33, 84.683, 303.413



39, 3.809, 265.174



31, 59.364, 290.765



4, 13.973, 275.431

Inverse Universe

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



46, 58.974, 359.320



55, 80.165, 4.920



75, 67.729, 108.087



38, 4.824, 349.190



34, 59.847, 9.468



3, 15.202, 357.225

Previews

White Background



This preview shows how the CIELCh color 47, 48.777, 280.403 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, 48.777, 280.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

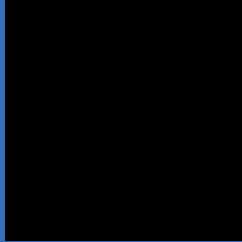
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 48.777, 280.403

Background



This preview shows how black text looks on a background with the CIELCh color 47, 48.777, 280.403.



This preview shows how white text looks on a background with the CIELCh color 47, 48.777, 280.403.

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, 48.777, 280.403

Protanopia

47, 48.113, 286.325

Deuteranopia

47, 48.444, 278.617



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 48.777, 280.403

Protanomaly
47, 48.331, 284.056

Deuteranomaly
47, 48.348, 279.091

Tritanomaly
47, 30.168, 243.287

Monochromacy



Original Color
47, 48.777, 280.403

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 18.520, 269.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 48.777, 280.403 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(53, 111, 192)` looks like.

```
.text, #text, p{  
    color:rgb(53, 111, 192)  
}
```

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(53, 111, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 111, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 48.777, 280.403 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(53, 111, 192) }
```

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

```
.border{ border-color:rgb(53, 111, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 111, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 111, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 111, 192);  
box-shadow:4px 4px 4px 4px rgb(53, 111,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 48.777, 280.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 111, 192) }
```

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

```
.background{ background-color: rgb(53, 111,  
192) }
```

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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