

Converting Colors

CIELCh(47, 77.557, 295.588)

Have a look what the booklet for
CIELCh(47, 77.557, 295.588)
contains.

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Color

CIELCh(47, 77.302, 295.451)

Conversions

Conversions Part 1

Format	Color
Hex	4963E7
RGB	73, 99, 231
RGB Percent	29%, 39%, 91%
CMY	0.7154, 0.6129, 0.0955
CMYK	0.69, 0.57, 0.00, 0.10
HSL	230°, 76%, 59%
HSV	230°, 69%, 90%
XYZ	21.5254, 16.0195, 77.3048
YIQ	106.2740, -57.8680, 35.5400

Conversions

Conversions Part 2

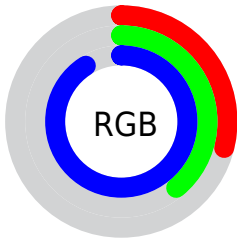
Format	Color
RYB	73, 95, 231
Decimal	4809703
CIELab	47.00, 33.22, -69.80
CIElCh	47, 77.302, 295.451
Yxy	16.0195, 0.1874, 0.1395
Android (android.graphics.Color)	4282999783 (0xFF4963E7)
YUV	106.2740, 61.4899, -29.1813
Hunter-Lab	40.0243, 25.9562, -86.4984

Details

The CIELCh color $47, 77.302, 295.451$ is a dark color, and the websafe version is hex $3366FF$. The color can be described as middle muted azure. A complement of this color would be $82, 66.295, 94.445$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 58.790, 293.081$, and $28, 76.418, 297.971$ is the 20% darker color. If you saturate the color by 10%, you get $41, 89.853, 298.312$, and if you desaturate by 10%, it is $53, 64.867, 292.741$.

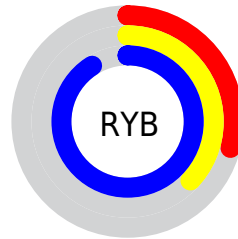
Distribution



Red (29%)

Green (39%)

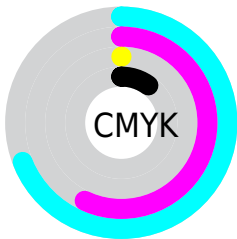
Blue (91%)



Red (29%)

Yellow (37%)

Blue (91%)

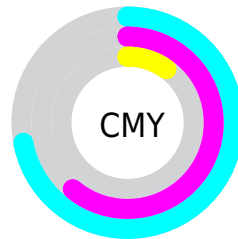


Cyan (69%)

Magenta (57%)

Yellow (0%)

Black (10%)



Cyan (72%)


Magenta (61%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 77.302, 295.451 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, 77.302, 295.451 by changing the saturation by 10% instead.


 47, 77.302,
295.451


 47, 77.302,
295.451


 100, 77.302,
295.451


 37, 77.302,
295.451

 67, 77.302,
295.451


 27, 77.302,
295.451

 77, 77.302,
295.451

 17, 77.302,
295.451

 87, 77.302,
295.451

 7, 77.302, 295.451

 97, 77.302,
295.451

 0, 77.302, 295.451

 47, 77.302,

 47, 77.302,

295.451

■ 41, 89.853,
298.312

■ 36, 101.877,
301.102

■ 33, 112.242,
303.507

■ 32, 113.555,
303.795

295.451

■ 53, 64.867,
292.741

■ 60, 52.804,
290.297

■ 66, 41.175,
288.159

■ 73, 29.967,
286.320

■ 79, 19.147,
284.750

■ 86, 8.681, 283.417

■ 92, 1.457, 102.145

■ 99, 11.215,
105.130

99, 12.320,
109.246

Harmonies

Complementary

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



47, 77.302, 295.451



82, 66.295, 94.445

Rectangle

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



47, 77.302, 295.451



47, 77.302, 345.451



47, 77.302, 115.451



47, 77.302, 165.451

Sweetspot

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



47, 77.302, 295.452



85, 23.633, 285.132



83, 46.800, 178.872



43, 16.069, 285.560



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, 77.302, 295.452



44, 102.143, 299.429



45, 91.750, 308.095



45, 5.762, 283.530



24, 92.557, 303.423



4, 29.843, 293.279

Inverse Universe

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



55, 65.529, 18.234



56, 83.189, 23.960



85, 78.462, 119.857



45, 4.923, 6.729



37, 72.661, 31.795



7, 26.705, 14.876

Previews

White Background



This preview shows how the CIE LCh color 47, 77.302, 295.451 looks on a white background.

Color Contrast Check

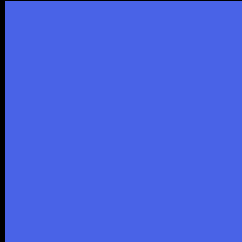
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.302, 295.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

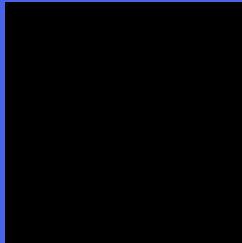
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 77.302, 295.451

Background



This preview shows how black text looks on a background with the CIELCh color 47, 77.302, 295.451.

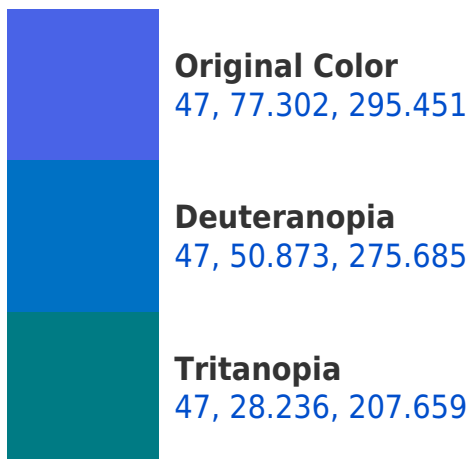


This preview shows how white text looks on a background with the CIELCh color 47, 77.302, 295.451.

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



Trichromacy



Original Color
47, 77.302, 295.451

Deuteranomaly
46, 60.355, 283.884

Tritanomaly
46, 36.249, 261.759

Monochromacy



Original Color
47, 77.302, 295.451

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 28.733, 288.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 77.302, 295.451 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(73, 99, 231)` looks like.

```
.text, #text, p{  
    color:rgb(73, 99, 231)  
}
```

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(73, 99, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 99, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 77.302, 295.451 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(73, 99, 231) }
```

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

```
.border{ border-color:rgb(73, 99, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 99, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 99, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 99, 231);  
box-shadow:4px 4px 4px 4px rgb(73, 99,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 77.302, 295.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 99, 231) }
```

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

```
.background{ background-color: rgb(73, 99,  
231) }
```

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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