

Converting Colors

CIELCh(47, 69.818, 293.328)

Have a look what the booklet for
CIELCh(47, 69.818, 293.328)
contains.

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Color

CIELCh(47, 69.898, 293.364)

Conversions

Conversions Part 1

Format	Color
Hex	4866DD
RGB	72, 102, 221
RGB Percent	28%, 40%, 87%
CMY	0.7191, 0.6010, 0.1345
CMYK	0.68, 0.54, 0.00, 0.13
HSL	228°, 68%, 57%
HSV	228°, 68%, 87%
XYZ	20.3809, 16.0195, 70.2111
YIQ	106.5960, -56.0790, 30.6490

Conversions

Conversions Part 2

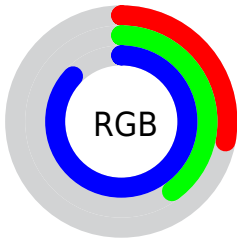
Format	Color
R_{YB}	72, 97, 221
Decimal	4744925
CIE _{Lab}	47.00, 27.72, -64.17
CIE _{LCh}	47, 69.898, 293.364
Yxy	16.0195, 0.1912, 0.1503
Android (android.graphics.Color)	4282935005 (0xFF4866DD)
YUV	106.5960, 56.4012, -30.3407
Hunter-Lab	40.0243, 20.8520, -75.9902

Details

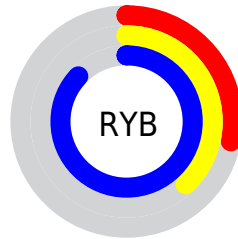
The CIELCh color **47, 69.898, 293.364** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **78, 61.619, 92.071**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 56.465, 291.034**, and **28, 69.314, 295.940** is the 20% darker color. If you saturate the color by 10%, you get **42, 81.495, 296.344**, and if you desaturate by 10%, it is **53, 58.537, 290.594**.

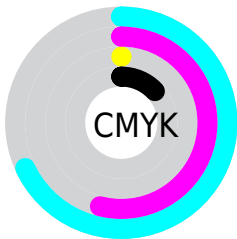
Distribution



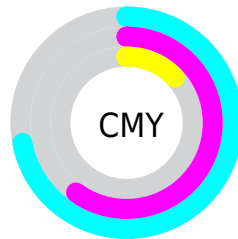
- Red (28%)
- Green (40%)
- Blue (87%)



- Red (28%)
- Yellow (38%)
- Blue (87%)



- Cyan (68%)
- Magenta (54%)
- Yellow (0%)
- Black (13%)




- Cyan (72%)
- Magenta (60%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 69.898, 293.364 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, 69.898, 293.364 by changing the saturation by 10% instead.


 47, 69.898,
293.364


 47, 69.898,
293.364


 100, 69.898,
293.364


 37, 69.898,
293.364

 67, 69.898,
293.364


 27, 69.898,
293.364

 77, 69.898,
293.364

 17, 69.898,
293.364

 87, 69.898,
293.364

 7, 69.898, 293.364

 97, 69.898,
293.364

 0, 69.898, 293.364

 47, 69.898,

 47, 69.898,

293.364

42, 81.495,
296.344

37, 92.936,
299.349

33, 103.426,
302.099

32, 105.755,
302.673

293.364

53, 58.537,
290.594

59, 47.543,
288.120

65, 36.931,
285.967

71, 26.673,
284.117

77, 16.738,
282.538

83, 7.098, 281.198

90, 2.267, 99.937

96, 11.376, 98.997

99, 17.349,

Harmonies

Complementary

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



47, 69.898, 293.364



78, 61.619, 92.071

Rectangle

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



47, 69.898, 293.364



47, 69.898, 343.364



47, 69.898, 113.364



47, 69.898, 163.364

Sweetspot

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



47, 69.898, 293.365



86, 21.538, 282.927



80, 46.865, 174.542



44, 14.756, 283.368



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, 69.898, 293.365



46, 96.202, 297.591



43, 87.497, 306.820



43, 5.328, 281.432



24, 87.109, 302.252



4, 25.510, 290.076

Inverse Universe

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



53, 61.879, 14.969



56, 81.093, 20.607



83, 74.057, 117.707



43, 4.798, 3.917



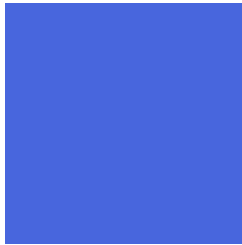
36, 69.341, 29.024



5, 23.745, 11.537

Previews

White Background



This preview shows how the CIELCh color 47, 69.898, 293.364 looks on a white background.

Color Contrast Check

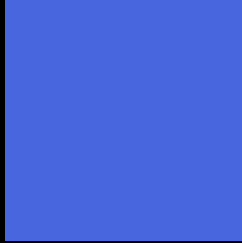
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.898, 293.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

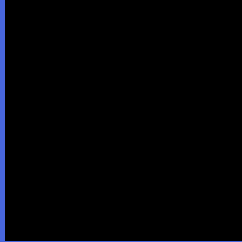
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 69.898, 293.364

Background



This preview shows how black text looks on a background with the CIELCh color 47, 69.898, 293.364.



This preview shows how white text looks on a background with the CIELCh color 47, 69.898, 293.364.

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





Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 69.898, 293.364

Protanomaly
47, 70.276, 289.017

Deuteranomaly
46, 58.134, 282.590

Tritanomaly
46, 34.569, 258.434

Monochromacy



Original Color
47, 69.898, 293.364

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 26.372, 286.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 69.898, 293.364 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(72, 102, 221)` looks like.

```
.text, #text, p{  
    color:rgb(72, 102, 221)  
}
```

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(72, 102, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 102, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 69.898, 293.364 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(72, 102, 221) }
```

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

```
.border{ border-color:rgb(72, 102, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 102, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 102, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 102, 221);  
box-shadow:4px 4px 4px 4px rgb(72, 102,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 69.898, 293.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 102, 221) }
```

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

```
.background{ background-color: rgb(72, 102,  
221) }
```

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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