

Converting Colors

CIELCh(47, 29.395, 280.887)

Have a look what the booklet for
CIELCh(47, 29.395, 280.887)
contains.

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Color

CIELCh(47, 29.437, 280.944)

Conversions

Conversions Part 1

Format	Color
Hex	5A6FA0
RGB	90, 111, 160
RGB Percent	35%, 44%, 63%
CMY	0.6479, 0.5655, 0.3734
CMYK	0.44, 0.31, 0.00, 0.37
HSL	222°, 28%, 49%
HSV	222°, 44%, 63%
XYZ	16.1856, 16.0195, 35.3989
YIQ	110.3070, -28.2450, 10.7870

Conversions

Conversions Part 2

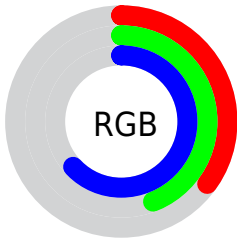
Format	Color
R_{YB}	90, 106, 160
Decimal	5926816
CIE Lab	47.00, 5.59, -28.90
CIE LCh	47, 29.437, 280.944
Yxy	16.0195, 0.2394, 0.2370
Android (android.graphics.Color)	4284116896 (0xFF5A6FA0)
YUV	110.3070, 24.4986, -17.8092
Hunter-Lab	40.0243, 2.1416, -24.4211

Details

The CIELCh color $47, 29.437, 280.944$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 29.099, 88.157$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 29.683, 281.397$, and $27, 29.095, 280.556$ is the 20% darker color. If you saturate the color by 10%, you get $43, 36.565, 283.378$, and if you desaturate by 10%, it is $51, 22.479, 278.842$.

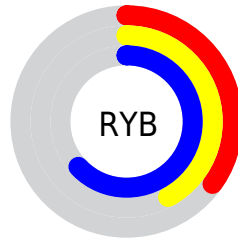
Distribution



Red (35%)

Green (44%)

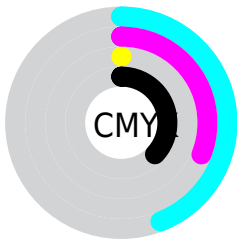
Blue (63%)



Red (35%)

Yellow (42%)

Blue (63%)

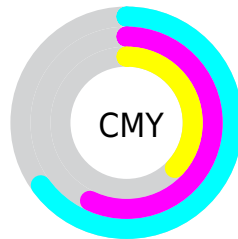


Cyan (44%)

Magenta (31%)

Yellow (0%)

Black (37%)



Cyan (65%)

Magenta (57%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 29.437, 280.944 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, 29.437, 280.944 by changing the saturation by 10% instead.

■ 47, 29.437,
280.944

■ 47, 29.437,
280.944

■ 100, 29.437,
280.944

■ 37, 29.437,
280.944

■ 67, 29.437,
280.944

■ 27, 29.437,
280.944

■ 77, 29.437,
280.944

■ 17, 29.437,
280.944

■ 87, 29.437,
280.944

■ 7, 29.437, 280.944

■ 97, 29.437,
280.944

■ 0, 29.437, 280.944

■ 47, 29.437,

■ 47, 29.437,

280.944

280.944

■ 43, 36.565,
283.378

■ 51, 22.479,
278.842

■ 39, 43.892,
286.160

■ 56, 15.672,
277.039

■ 35, 51.435,
289.265

■ 60, 9.003, 275.497

■ 64, 2.462, 274.218

■ 31, 59.171,
292.607

■ 68, 3.954, 92.944

■ 28, 66.971,
296.020

■ 73, 10.248, 91.972

■ 77, 16.422, 91.105

■ 26, 71.743,
297.963

■ 81, 22.476, 90.339

■ 85, 28.413, 89.659

Harmonies

Complementary

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



47, 29.437, 280.944



59, 29.099, 88.157

Rectangle

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



47, 29.437, 280.944



47, 29.437, 330.944



47, 29.437, 100.944



47, 29.437, 150.944

Sweetspot

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



47, 29.436, 280.944



76, 10.445, 275.418



61, 27.905, 170.307



39, 7.381, 275.719



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



47, 29.436, 280.944



55, 44.403, 283.426



42, 42.497, 301.395



31, 3.641, 274.874



23, 65.422, 297.624



1, 4.808, 274.824

Inverse Universe

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



47, 31.328, 1.312



55, 46.712, 3.299



63, 38.280, 114.359



31, 3.816, 356.744



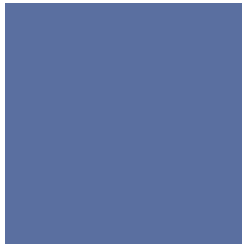
29, 56.567, 19.802



1, 4.864, 357.027

Previews

White Background



This preview shows how the CIELCh color 47, 29.437, 280.944 looks on a white background.

Color Contrast Check

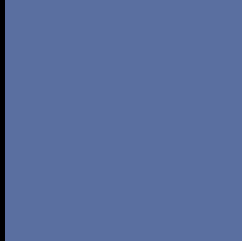
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.437, 280.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

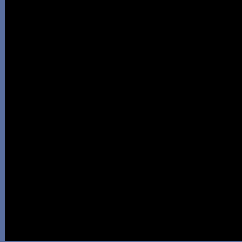
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

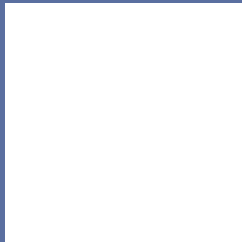
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 29.437, 280.944

Background



This preview shows how black text looks on a background with the CIELCh color 47, 29.437, 280.944.

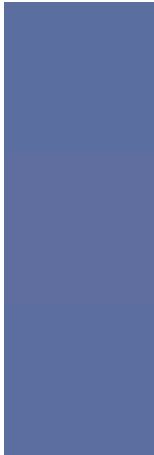


This preview shows how white text looks on a background with the CIELCh color 47, 29.437, 280.944.

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, 29.437, 280.944

Protanopia

47, 29.742, 285.960

Deuteranopia

47, 29.898, 283.037



Tritanopia
47, 13.871, 223.630

Trichromacy



Original Color
47, 29.437, 280.944

Protanomaly
47, 29.237, 283.859

Deuteranomaly
47, 29.945, 282.478

Tritanomaly
47, 17.308, 254.380

Monochromacy



Original Color
47, 29.437, 280.944

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.932, 277.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 29.437, 280.944 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(90, 111, 160)` looks like.

```
.text, #text, p{  
    color:rgb(90, 111, 160)  
}
```

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(90, 111, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 111, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 29.437, 280.944 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(90, 111, 160) }
```

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

```
.border{ border-color:rgb(90, 111, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 111, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 111, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 111, 160);  
box-shadow:4px 4px 4px 4px rgb(90, 111,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 29.437, 280.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 111, 160) }
```

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

```
.background{ background-color: rgb(90, 111,  
160) }
```

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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