

Converting Colors

CIELCh(47, 37.077, 291.622)

Have a look what the booklet for
CIELCh(47, 37.077, 291.622)
contains.

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Color

CIELCh(47, 36.669, 291.511)

Conversions

Conversions Part 1

Format	Color
Hex	646BA9
RGB	100, 107, 169
RGB Percent	39%, 42%, 66%
CMY	0.6088, 0.5813, 0.3382
CMYK	0.41, 0.37, 0.00, 0.34
HSL	234°, 29%, 53%
HSV	234°, 41%, 66%
XYZ	17.6016, 16.0195, 39.5792
YIQ	111.9750, -24.0740, 17.7980

Conversions

Conversions Part 2

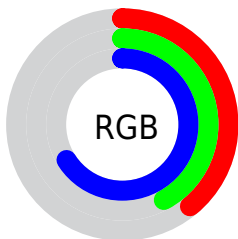
Format	Color
R_{YB}	100, 106, 169
Decimal	6581161
CIE _{Lab}	47.00, 13.45, -34.11
CIE _{LCh}	47, 36.669, 291.511
Yxy	16.0195, 0.2405, 0.2188
Android (android.graphics.Color)	4284771241 (0xFF646BA9)
YUV	111.9750, 28.1133, -10.5021
Hunter-Lab	40.0243, 8.4568, -30.6136

Details

The CIELCh color $47, 36.669, 291.511$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 33.792, 101.425$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 37.034, 291.451$, and $27, 36.344, 291.411$ is the 20% darker color. If you saturate the color by 10%, you get $42, 46.536, 293.553$, and if you desaturate by 10%, it is $52, 27.175, 289.742$.

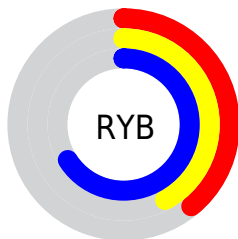
Distribution



Red (39%)

Green (42%)

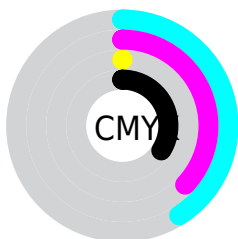
Blue (66%)



Red (39%)

Yellow (42%)

Blue (66%)

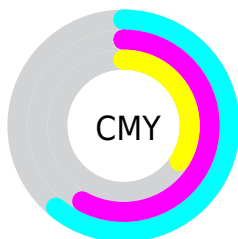


Cyan (41%)

Magenta (37%)

Yellow (0%)

Black (34%)



Cyan (61%)

Magenta (58%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 36.669, 291.511 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, 36.669, 291.511 by changing the saturation by 10% instead.

■ 47, 36.669,
291.511

■ 47, 36.669,
291.511

■ 100, 36.669,
291.511

■ 37, 36.669,
291.511

■ 67, 36.669,
291.511

■ 27, 36.669,
291.511

■ 77, 36.669,
291.511

■ 17, 36.669,
291.511

■ 87, 36.669,
291.511

■ 7, 36.669, 291.511

■ 97, 36.669,
291.511

■ 0, 36.669, 291.511

■ 47, 36.669,

■ 47, 36.669,

291.511

42, 46.536,
293.553

36, 56.753,
295.858

32, 67.177,
298.358

27, 77.408,
300.896

23, 86.619,
303.214

21, 93.167,
304.815

291.511

52, 27.175,
289.742

58, 18.041,
288.225

63, 9.239, 286.933

69, 0.744, 285.941

74, 7.468, 104.851

79, 15.415,
104.039

85, 23.115,
103.333

90, 30.581,
102.717

95, 37.828,

Harmonies

Complementary

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



47, 36.669, 291.511



66, 33.792, 101.425

Rectangle

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



47, 36.669, 291.511



47, 36.669, 341.511



47, 36.669, 111.511



47, 36.669, 161.511

Sweetspot

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



47, 36.668, 291.511



79, 12.637, 287.093



65, 23.909, 186.498



41, 8.387, 287.244



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



47, 36.668, 291.511



55, 55.354, 293.337



47, 41.800, 307.355



33, 4.781, 286.746



18, 84.005, 304.627



1, 8.734, 286.403

Inverse Universe

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



50, 29.799, 15.729



60, 45.047, 17.482



66, 38.805, 122.822



33, 3.751, 11.703



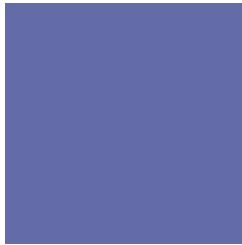
30, 65.374, 34.924



1, 6.636, 12.166

Previews

White Background



This preview shows how the CIELCh color 47, 36.669, 291.511 looks on a white background.

Color Contrast Check

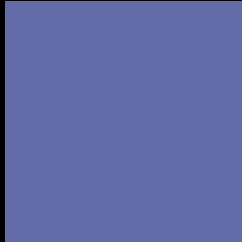
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.669, 291.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

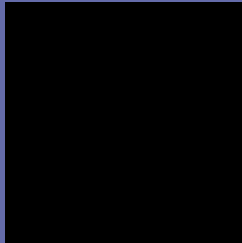
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 36.669, 291.511

Background



This preview shows how black text looks on a background with the CIELCh color 47, 36.669, 291.511.

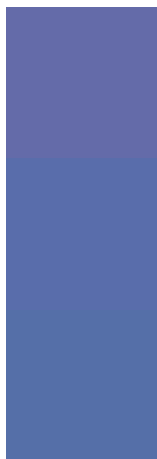


This preview shows how white text looks on a background with the CIELCh color 47, 36.669, 291.511.

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, 36.669, 291.511

Protanopia

47, 36.880, 285.615

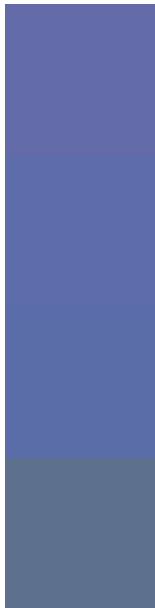
Deuteranopia

47, 34.196, 281.395



Tritanopia
47, 11.078, 227.381

Trichromacy



Original Color
47, 36.669, 291.511

Protanomaly
47, 36.778, 287.825

Deuteranomaly
47, 35.129, 285.268

Tritanomaly
47, 17.705, 269.270

Monochromacy



Original Color
47, 36.669, 291.511

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 13.631, 288.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 36.669, 291.511 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(100, 107, 169)` looks like.

```
.text, #text, p{  
    color:rgb(100, 107, 169)  
}
```

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(100, 107, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 107, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 36.669, 291.511 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(100, 107, 169) }
```

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

```
.border{ border-color:rgb(100, 107, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 107, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 107, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 107, 169);  
box-shadow:4px 4px 4px 4px rgb(100, 107,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 36.669, 291.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 107, 169) }
```

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

```
.background{ background-color: rgb(100,  
107, 169) }
```

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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