

Converting Colors

CIELCh(46, 36.609, 281.657)

Have a look what the booklet for
CIELCh(46, 36.609, 281.657)
contains.

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Color

CIELCh(46, 36.733, 281.748)

Conversions

Conversions Part 1

Format	Color
Hex	4F6CA9
RGB	79, 108, 169
RGB Percent	31%, 42%, 66%
CMY	0.6899, 0.5762, 0.3370
CMYK	0.53, 0.36, 0.00, 0.34
HSL	221°, 36%, 49%
HSV	221°, 53%, 66%
XYZ	15.7653, 15.2687, 39.6828
YIQ	106.2830, -36.8650, 12.8230

Conversions

Conversions Part 2

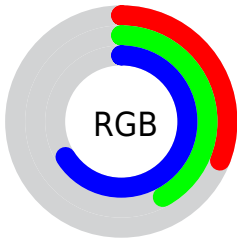
Format	Color
RYB	79, 101, 169
Decimal	5205161
CIELab	46.00, 7.48, -35.96
CIElCh	46, 36.733, 281.748
Yxy	15.2687, 0.2229, 0.2159
Android (android.graphics.Color)	4283395241 (0xFF4F6CA9)
YUV	106.2830, 30.9195, -23.9272
Hunter-Lab	39.0751, 3.6362, -32.8595

Details

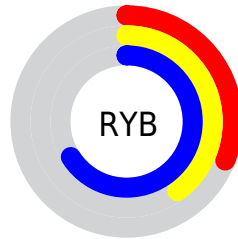
The CIELCh color **46, 36.733, 281.748** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **60, 36.542, 85.073**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 37.016, 282.147**, and **26, 36.523, 281.580** is the 20% darker color. If you saturate the color by 10%, you get **42, 44.101, 284.580**, and if you desaturate by 10%, it is **50, 29.543, 279.278**.

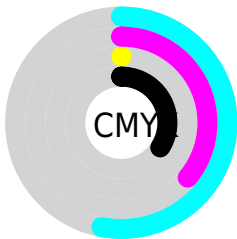
Distribution



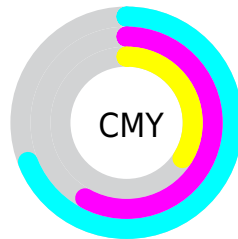
- Red (31%)
- Green (42%)
- Blue (66%)



- Red (31%)
- Yellow (40%)
- Blue (66%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (34%)



- Cyan (69%)
- Magenta (58%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 36.733, 281.748 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 46, 36.733, 281.748 by changing the saturation by 10% instead.


 46, 36.733,
281.748


 46, 36.733,
281.748


 100, 36.733,
281.748


 36, 36.733,
281.748

 66, 36.733,
281.748


 26, 36.733,
281.748

 76, 36.733,
281.748

 16, 36.733,
281.748

 86, 36.733,
281.748

 6, 36.733, 281.748

 96, 36.733,
281.748

 0, 36.733, 281.748

 46, 36.733,

 46, 36.733,

281.748

281.748

■ 42, 44.101,
284.580

■ 50, 29.543,
279.278

■ 38, 51.677,
287.753

■ 55, 22.505,
277.150

■ 34, 59.456,
291.190

■ 59, 15.599,
275.327

■ 30, 67.351,
294.732

■ 63, 8.812, 273.771

■ 28, 72.670,
296.975

■ 68, 2.140, 272.498

■ 72, 4.419, 91.193

■ 77, 10.866, 90.212

■ 81, 17.201, 89.338

■ 85, 23.423, 88.565

Harmonies

Complementary

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



46, 36.733, 281.748



60, 36.542, 85.073

Rectangle

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



46, 36.733, 281.748



46, 36.733, 331.748



46, 36.733, 101.748



46, 36.733, 151.748

Sweetspot

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



46, 36.732, 281.749



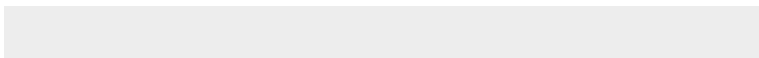
79, 13.199, 274.220



63, 35.093, 167.897



40, 8.912, 274.519



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 36.732, 281.749



53, 55.279, 285.161



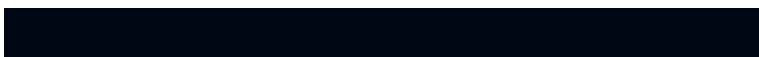
39, 54.934, 302.151



33, 3.744, 273.225



24, 65.114, 296.572



2, 7.122, 275.355

Inverse Universe

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



46, 40.065, 1.563



54, 58.553, 4.430



66, 47.906, 113.034



33, 4.065, 355.245



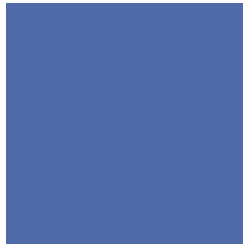
31, 57.568, 17.996



2, 7.119, 357.552

Previews

White Background



This preview shows how the CIE LCh color 46, 36.733, 281.748 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 CIELCh color 46, 36.733, 281.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

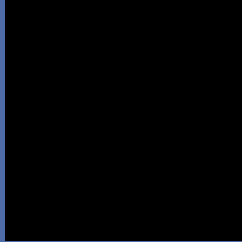
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

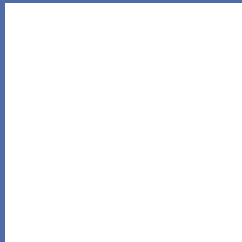
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 36.733, 281.748

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.733, 281.748.



This preview shows how white text looks on a background with the CIELCh color 46, 36.733, 281.748.

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

46, 36.733, 281.748

Protanopia

46, 36.452, 285.053

Deuteranopia

46, 36.268, 280.162



Tritanopia
46, 18.297, 214.772

Trichromacy



Original Color
46, 36.733, 281.748

Protanomaly
46, 36.568, 283.808

Deuteranomaly
46, 36.218, 280.546

Tritanomaly
46, 21.326, 250.222

Monochromacy



Original Color
46, 36.733, 281.748

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 13.607, 274.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.733, 281.748 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(79, 108, 169)` looks like.

```
.text, #text, p{  
    color:rgb(79, 108, 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(79, 108, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 108, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.733, 281.748 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(79, 108, 169) }
```

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

```
.border{ border-color:rgb(79, 108, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 108, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 108, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 108, 169);  
box-shadow:4px 4px 4px 4px rgb(79, 108,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.733, 281.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 108, 169) }
```

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

```
.background{ background-color: rgb(79, 108,  
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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