

Converting Colors

CIELCh(46, 30.438, 288.258)

Have a look what the booklet for
CIELCh(46, 30.438, 288.258)
contains.

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Color

CIELCh(46, 30.372, 288.093)

Conversions

Conversions Part 1

Format	Color
Hex	606A9D
RGB	96, 106, 157
RGB Percent	38%, 42%, 62%
CMY	0.6230, 0.5838, 0.3838
CMYK	0.39, 0.32, 0.00, 0.38
HSL	230°, 24%, 50%
HSV	230°, 39%, 62%
XYZ	16.1039, 15.2687, 34.0605
YIQ	108.8240, -22.3310, 13.7410

Conversions

Conversions Part 2

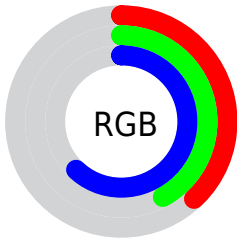
Format	Color
R _Y B	96, 105, 157
Decimal	6318749
CIE Lab	46.00, 9.43, -28.87
CIE LCh	46, 30.372, 288.093
Yxy	15.2687, 0.2461, 0.2333
Android (android.graphics.Color)	4284508829 (0xFF606A9D)
YUV	108.8240, 23.7508, -11.2466
Hunter-Lab	39.0751, 5.1833, -24.3285

Details

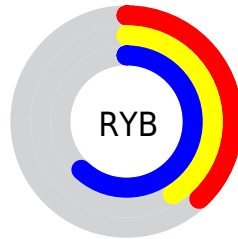
The CIELCh color `46, 30.372, 288.093` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `61, 28.632, 98.169`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 30.539, 288.435`, and `26, 30.189, 287.840` is the 20% darker color. If you saturate the color by 10%, you get `41, 38.871, 290.147`, and if you desaturate by 10%, it is `51, 22.171, 286.320`.

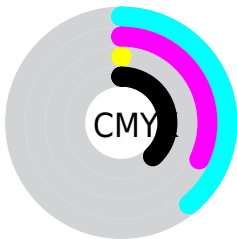
Distribution



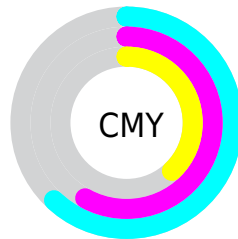
- Red (38%)
- Green (42%)
- Blue (62%)



- Red (38%)
- Yellow (41%)
- Blue (62%)



- Cyan (39%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)





- Cyan (62%)
- Magenta (58%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.372, 288.093 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, 30.372, 288.093 by changing the saturation by 10% instead.


 46, 30.372,
288.093


 46, 30.372,
288.093


 100, 30.372,
288.093


 36, 30.372,
288.093

 66, 30.372,
288.093


 26, 30.372,
288.093

 76, 30.372,
288.093

 16, 30.372,
288.093

 86, 30.372,
288.093

 6, 30.372, 288.093

 96, 30.372,
288.093

 0, 30.372, 288.093

 46, 30.372,

 46, 30.372,

288.093

41, 38.871,
290.147

36, 47.681,
292.492

32, 56.769,
295.098

28, 65.978,
297.867

24, 74.912,
300.610

21, 82.869,
303.005

21, 83.712,
303.235

288.093

51, 22.171,
286.320

56, 14.247,
284.801

61, 6.578, 283.506

65, 0.858, 102.234

70, 8.074, 101.388

75, 15.085,
100.557

80, 21.901, 99.830

84, 28.531, 99.191

89, 34.985, 98.627

Harmonies

Complementary

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



46, 30.372, 288.093



61, 28.632, 98.169

Rectangle

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



46, 30.372, 288.093



46, 30.372, 338.093



46, 30.372, 108.093



46, 30.372, 158.093

Sweetspot

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



46, 30.371, 288.093



75, 11.124, 283.924



61, 22.218, 182.371



38, 7.374, 284.074



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 30.371, 288.093



54, 46.210, 289.946



45, 37.173, 305.584



31, 4.240, 283.558



18, 77.536, 303.038



1, 5.529, 282.958

Inverse Universe

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



48, 26.568, 10.599



57, 40.385, 12.289



62, 34.471, 120.956



31, 3.613, 6.798



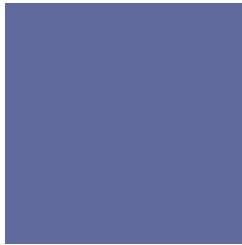
29, 61.117, 30.858



1, 4.599, 6.709

Previews

White Background



This preview shows how the CIELCh color 46, 30.372, 288.093 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 46, 30.372, 288.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

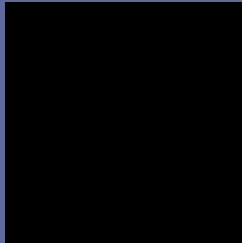
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 30.372, 288.093

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.372, 288.093.



This preview shows how white text looks on a background with the CIELCh color 46, 30.372, 288.093.

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, 30.372, 288.093

Protanopia

46, 30.482, 285.184

Deuteranopia

46, 29.414, 282.805



Tritanopia
46, 10.517, 229.280

Trichromacy



Original Color
46, 30.372, 288.093

Protanomaly
46, 30.412, 286.314

Deuteranomaly
46, 29.905, 284.894

Tritanomaly
46, 15.658, 265.261

Monochromacy



Original Color
46, 30.372, 288.093

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.367, 284.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.372, 288.093 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(96, 106, 157)` looks like.

```
.text, #text, p{  
    color:rgb(96, 106, 157)  
}
```

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(96, 106, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 106, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.372, 288.093 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(96, 106, 157) }
```

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

```
.border{ border-color:rgb(96, 106, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 106, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 106, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 106, 157);  
box-shadow:4px 4px 4px 4px rgb(96, 106,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.372, 288.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 106, 157) }
```

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

```
.background{ background-color: rgb(96, 106,  
157) }
```

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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