

Converting Colors

CIELCh(47, 30.442, 299.469)

Have a look what the booklet for
CIELCh(47, 30.442, 299.469)
contains.

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Color

CIELCh(47, 30.430, 299.266)

Conversions

Conversions Part 1

Format	Color
Hex	71699C
RGB	113, 105, 156
RGB Percent	44%, 41%, 61%
CMY	0.5568, 0.5882, 0.3882
CMYK	0.28, 0.33, 0.00, 0.39
HSL	249°, 20%, 51%
HSV	249°, 33%, 61%
XYZ	17.8679, 16.0195, 33.6107
YIQ	113.2060, -11.6030, 17.5570

Conversions

Conversions Part 2

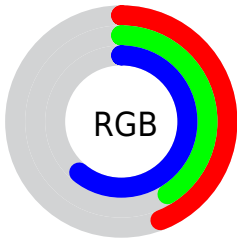
Format	Color
R_{YB}	113, 105, 156
Decimal	7432604
CIE _{Lab}	47.00, 14.88, -26.55
CIE _{LCh}	47, 30.430, 299.266
Yxy	16.0195, 0.2647, 0.2373
Android (android.graphics.Color)	4285622684 (0xFF71699C)
YUV	113.2060, 21.0974, -0.1807
Hunter-Lab	40.0243, 9.6447, -21.7723

Details

The CIELCh color $47, 30.430, 299.266$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 28.239, 113.966$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 30.715, 299.471$, and $27, 30.041, 298.987$ is the 20% darker color. If you saturate the color by 10%, you get $42, 40.495, 300.454$, and if you desaturate by 10%, it is $52, 20.716, 298.218$.

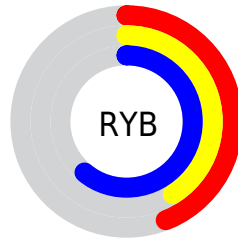
Distribution



Red (44%)

Green (41%)

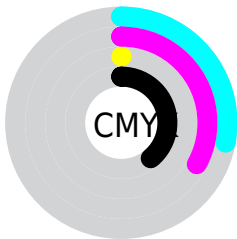
Blue (61%)



Red (44%)

Yellow (41%)

Blue (61%)

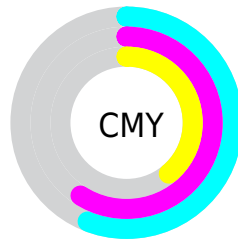


Cyan (28%)

Magenta (33%)

Yellow (0%)

Black (39%)



Cyan (56%)

Magenta (59%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 30.430, 299.266 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, 30.430, 299.266 by changing the saturation by 10% instead.


 47, 30.430,
299.266

 47, 30.430,
299.266


 100, 30.430,
299.266

 37, 30.430,
299.266

 67, 30.430,
299.266

 27, 30.430,
299.266

 77, 30.430,
299.266

 17, 30.430,
299.266

 87, 30.430,
299.266

 7, 30.430, 299.266

 97, 30.430,
299.266

 0, 30.430, 299.266

 47, 30.430,

 47, 30.430,

299.266

■ 42, 40.495,
300.454

■ 37, 50.852,
301.770

■ 32, 61.327,
303.172

■ 27, 71.526,
304.563

■ 23, 80.695,
305.771

■ 20, 87.704,
306.565

■ 18, 91.658,
307.007

299.266

■ 52, 20.716,
298.218

■ 58, 11.366,
297.307

■ 63, 2.369, 296.520

■ 68, 6.295, 115.838

■ 73, 14.646,
115.254

■ 79, 22.705,
114.751

■ 84, 30.490,
114.318

■ 89, 38.021,
113.944

 94, 45.313,
113.622

Harmonies

Complementary

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



47, 30.430, 299.266



63, 28.239, 113.966

Rectangle

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



47, 30.430, 299.266



47, 30.430, 349.266



47, 30.430, 119.266



47, 30.430, 169.266

Sweetspot

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



47, 30.429, 299.266



75, 11.094, 297.099



59, 15.490, 214.507



39, 7.569, 297.207



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



47, 30.429, 299.266



56, 45.781, 300.093



49, 32.292, 315.510



31, 5.088, 297.023



16, 85.853, 307.053



0, 6.548, 296.010

Inverse Universe

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



51, 31.435, 331.033



63, 46.404, 331.479



61, 31.370, 132.638



31, 5.477, 329.582



32, 66.554, 335.466



1, 6.981, 330.017

Previews

White Background



This preview shows how the CIELCh color 47, 30.430, 299.266 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, 30.430, 299.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

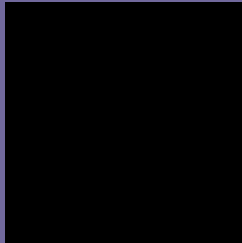
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.430, 299.266

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.430, 299.266.



This preview shows how white text looks on a background with the CIELCh color 47, 30.430, 299.266.

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, 30.430, 299.266

Protanopia

47, 29.770, 284.747

Deuteranopia

47, 26.814, 284.479



Tritanopia
47, 5.767, 267.065

Trichromacy



Original Color
47, 30.430, 299.266

Protanomaly
47, 30.197, 290.394

Deuteranomaly
47, 27.845, 290.398

Tritanomaly
47, 14.829, 292.175

Monochromacy



Original Color
47, 30.430, 299.266

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 11.332, 297.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.430, 299.266 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(113, 105, 156)` looks like.

```
.text, #text, p{  
    color:rgb(113, 105, 156)  
}
```

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(113, 105, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 105, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.430, 299.266 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(113, 105, 156) }
```

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

```
.border{ border-color:rgb(113, 105, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 105, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 105, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 105, 156);  
box-shadow:4px 4px 4px 4px rgb(113, 105,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.430, 299.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 105, 156) }
```

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

```
.background{ background-color: rgb(113,  
105, 156) }
```

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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