

Converting Colors

CIELCh(47, 29.851, 305.369)

Have a look what the booklet for
CIELCh(47, 29.851, 305.369)
contains.

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Color

CIELCh(47, 29.785, 305.527)

Conversions

Conversions Part 1

Format	Color
Hex	786798
RGB	120, 103, 152
RGB Percent	47%, 40%, 60%
CMY	0.5286, 0.5953, 0.4031
CMYK	0.21, 0.32, 0.00, 0.40
HSL	261°, 19%, 50%
HSV	261°, 32%, 60%
XYZ	18.3269, 16.0195, 31.9200
YIQ	113.6690, -5.5970, 18.8430

Conversions

Conversions Part 2

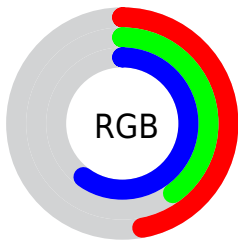
Format	Color
R_{YB}	120, 103, 152
Decimal	7890840
CIE _{Lab}	47.00, 17.31, -24.24
CIE _{LCh}	47, 29.785, 305.527
Yxy	16.0195, 0.2766, 0.2417
Android (android.graphics.Color)	4286080920 (0xFF786798)
YUV	113.6690, 18.8972, 5.5523
Hunter-Lab	40.0243, 11.6914, -19.2676

Details

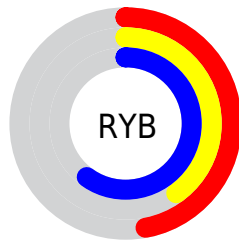
The CIELCh color $47, 29.785, 305.527$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 28.067, 121.853$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 29.648, 305.709$, and $27, 29.802, 305.189$ is the 20% darker color. If you saturate the color by 10%, you get $42, 39.593, 306.275$, and if you desaturate by 10%, it is $52, 20.213, 304.837$.

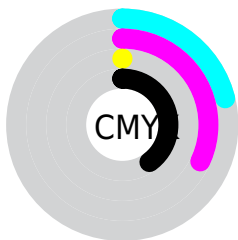
Distribution



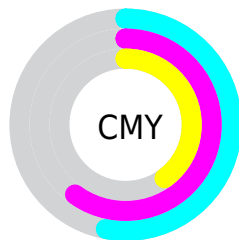
- Red (47%)
- Green (40%)
- Blue (60%)



- Red (47%)
- Yellow (40%)
- Blue (60%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)




- Cyan (53%)
- Magenta (60%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 29.785, 305.527 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, 29.785, 305.527 by changing the saturation by 10% instead.

 47, 29.785,
305.527


 47, 29.785,
305.527


 100, 29.785,
305.527

 37, 29.785,
305.527

 67, 29.785,
305.527


 27, 29.785,
305.527

 77, 29.785,
305.527

 17, 29.785,
305.527

 87, 29.785,
305.527

 7, 29.785, 305.527

 97, 29.785,
305.527

 0, 29.785, 305.527

 47, 29.785,

 47, 29.785,

305.527

42, 39.593,
306.275

37, 49.533,
307.059

33, 59.392,
307.837

29, 68.785,
308.530

25, 77.092,
309.021

22, 83.493,
309.158

20, 87.445,
309.140

305.527

52, 20.213,
304.837

57, 10.929,
304.215

62, 1.945, 303.641

67, 6.739, 123.191

72, 15.134,
122.763

77, 23.252,
122.393

81, 31.109,
122.073

86, 38.719,
121.797

■ 91, 46.099,
121.560

Harmonies

Complementary

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



47, 29.785, 305.527



60, 28.067, 121.853

Rectangle

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



47, 29.785, 305.527



47, 29.785, 355.527



47, 29.785, 125.527



47, 29.785, 175.527

Sweetspot

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



47, 29.784, 305.527



74, 11.103, 304.098



55, 14.456, 239.356



38, 7.571, 304.173



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



47, 29.784, 305.527



56, 45.357, 306.090



49, 32.401, 321.220



30, 5.059, 304.042



18, 82.304, 309.213



1, 5.387, 303.338

Inverse Universe

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



50, 26.655, 338.678



61, 39.996, 339.351



59, 32.036, 138.053



30, 4.655, 336.856



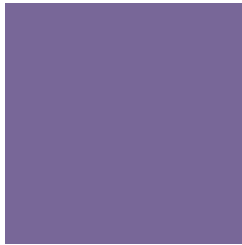
30, 57.769, 347.892



1, 4.952, 336.724

Previews

White Background



This preview shows how the CIELCh color 47, 29.785, 305.527 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, 29.785, 305.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

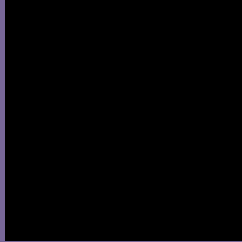
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 29.785, 305.527

Background



This preview shows how black text looks on a background with the CIELCh color 47, 29.785, 305.527.



This preview shows how white text looks on a background with the CIELCh color 47, 29.785, 305.527.

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, 29.785, 305.527

Protanopia

47, 27.967, 285.082

Deuteranopia

47, 24.386, 285.400



Tritanopia
47, 5.588, 307.431

Trichromacy



Original Color
47, 29.785, 305.527

Protanomaly
47, 27.825, 291.753

Deuteranomaly
47, 25.471, 292.763

Tritanomaly
47, 14.028, 304.554

Monochromacy



Original Color
47, 29.785, 305.527

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 10.939, 303.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 29.785, 305.527 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(120, 103, 152)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 152)  
}
```

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(120, 103, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 29.785, 305.527 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(120, 103, 152) }
```

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

```
.border{ border-color:rgb(120, 103, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 152);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 29.785, 305.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 152) }
```

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

```
.background{ background-color: rgb(120,  
103, 152) }
```

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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