

Converting Colors

CIELCh(47, 35.212, 316.707)

Have a look what the booklet for
CIELCh(47, 35.212, 316.707)
contains.

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Color

CIELCh(47, 35.316, 316.958)

Conversions

Conversions Part 1

Format	Color
Hex	876198
RGB	135, 97, 152
RGB Percent	53%, 38%, 60%
CMY	0.4699, 0.6189, 0.4032
CMYK	0.11, 0.36, 0.00, 0.40
HSL	281°, 22%, 49%
HSV	281°, 36%, 60%
XYZ	19.9934, 16.0195, 31.8221
YIQ	114.6320, 4.9930, 25.1610

Conversions

Conversions Part 2

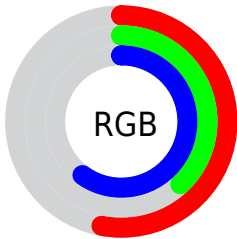
Format	Color
R_{YB}	135, 97, 152
Decimal	8872344
CIE _{Lab}	47.00, 25.81, -24.10
CIE _{LCh}	47, 35.316, 316.958
Yxy	16.0195, 0.2947, 0.2362
Android (android.graphics.Color)	4287062424 (0xFF876198)
YUV	114.6320, 18.4224, 17.8627
Hunter-Lab	40.0243, 19.1239, -19.1227

Details

The CIELCh color $47, 35.316, 316.958$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 34.363, 133.734$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 35.205, 317.153$, and $27, 35.105, 316.676$ is the 20% darker color. If you saturate the color by 10%, you get $43, 45.091, 317.353$, and if you desaturate by 10%, it is $51, 25.417, 316.534$.

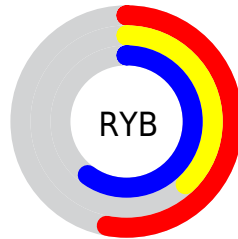
Distribution



Red (53%)

Green (38%)

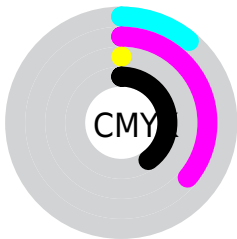
Blue (60%)



Red (53%)

Yellow (38%)

Blue (60%)

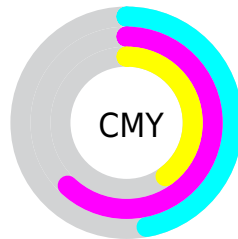


Cyan (11%)

Magenta (36%)

Yellow (0%)

Black (40%)



Cyan (47%)


Magenta (62%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 35.316, 316.958 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, 35.316, 316.958 by changing the saturation by 10% instead.


 47, 35.316,
316.958


 47, 35.316,
316.958


 100, 35.316,
316.958


 37, 35.316,
316.958

 67, 35.316,
316.958


 27, 35.316,
316.958

 77, 35.316,
316.958

 17, 35.316,
316.958

 87, 35.316,
316.958

 7, 35.316, 316.958

 97, 35.316,
316.958

 0, 35.316, 316.958

 47, 35.316,

 47, 35.316,

316.958

43, 45.091,
317.353

39, 54.491,
317.688

36, 63.155,
317.916

32, 70.624,
317.982

30, 76.406,
317.822

28, 80.220,
317.396

28, 81.529,
317.224

316.958

51, 25.417,
316.534

56, 15.566,
316.103

60, 5.867, 315.670


65, 3.619, 135.338

69, 12.860,
134.939

74, 21.843,
134.592

78, 30.565,
134.278

83, 39.032,
133.994

 87, 47.252,
133.739

Harmonies

Complementary

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



47, 35.316, 316.958



59, 34.363, 133.734

Rectangle

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



47, 35.316, 316.958



47, 35.316, 6.958



47, 35.316, 136.958



47, 35.316, 186.958

Sweetspot

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



47, 35.314, 316.958



74, 13.125, 315.891



48, 22.673, 278.081



38, 8.807, 315.944



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, 35.314, 316.958



57, 52.285, 317.267



49, 33.380, 332.198



30, 5.434, 315.805



25, 76.781, 317.292



1, 5.802, 315.075

Inverse Universe

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



48, 24.776, 359.411



58, 36.852, 0.651



58, 33.282, 147.177



30, 3.730, 356.126



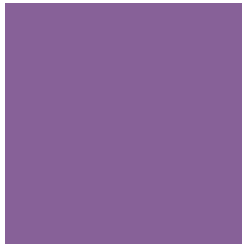
29, 55.597, 18.897



1, 3.950, 355.689

Previews

White Background



This preview shows how the CIELCh color 47, 35.316, 316.958 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, 35.316, 316.958 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, 35.316, 316.958

Background



This preview shows how black text looks on a background with the CIELCh color 47, 35.316, 316.958.



This preview shows how white text looks on a background with the CIELCh color 47, 35.316, 316.958.

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, 35.316, 316.958

Protanopia
47, 30.920, 285.315

Deuteranopia
47, 23.771, 285.887



Tritanopia
47, 10.989, 355.444

Trichromacy



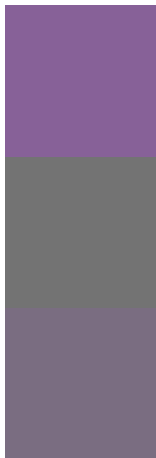
Original Color
47, 35.316, 316.958

Protanomaly
47, 31.528, 297.336

Deuteranomaly
47, 27.514, 299.582

Tritanomaly
47, 18.730, 329.720

Monochromacy



Original Color
47, 35.316, 316.958

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.916, 314.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 35.316, 316.958 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(135, 97, 152)` looks like.

```
.text, #text, p{  
    color:rgb(135, 97, 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(135, 97, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 97, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 35.316, 316.958 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(135, 97, 152) }
```

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

```
.border{ border-color:rgb(135, 97, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 97, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 97, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 97, 152);  
box-shadow:4px 4px 4px 4px rgb(135, 97,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 35.316, 316.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 97, 152) }
```

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

```
.background{ background-color: rgb(135, 97,  
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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