

Converting Colors

CIELCh(47, 42.654, 316.671)

Have a look what the booklet for
CIELCh(47, 42.654, 316.671)
contains.

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Color

CIELCh(47, 42.470, 316.578)

Conversions

Conversions Part 1

Format	Color
Hex	8B5EA1
RGB	139, 94, 161
RGB Percent	55%, 37%, 63%
CMY	0.4556, 0.6320, 0.3693
CMYK	0.14, 0.42, 0.00, 0.37
HSL	280°, 26%, 50%
HSV	280°, 42%, 63%
XYZ	21.0264, 16.0195, 35.6239
YIQ	115.0930, 5.3130, 30.3770

Conversions

Conversions Part 2

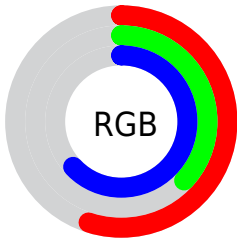
Format	Color
R_{YB}	139, 94, 161
Decimal	9133729
CIE _{Lab}	47.00, 30.85, -29.19
CIE _{LCh}	47, 42.470, 316.578
Yxy	16.0195, 0.2893, 0.2204
Android (android.graphics.Color)	4287323809 (0xFF8B5EA1)
YUV	115.0930, 22.6322, 20.9664
Hunter-Lab	40.0243, 23.7310, -24.7545

Details

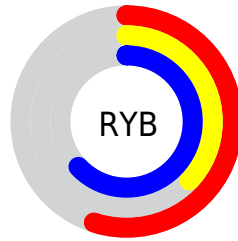
The CIELCh color $47, 42.470, 316.578$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 41.044, 132.841$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 42.668, 316.830$, and $27, 42.524, 316.439$ is the 20% darker color. If you saturate the color by 10%, you get $43, 52.528, 316.952$, and if you desaturate by 10%, it is $51, 32.168, 316.159$.

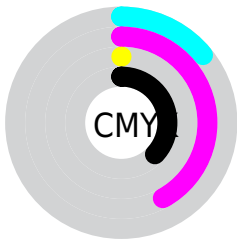
Distribution



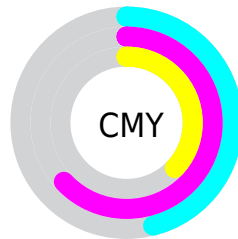
- Red (55%)
- Green (37%)
- Blue (63%)



- Red (55%)
- Yellow (37%)
- Blue (63%)



- Cyan (14%)
- Magenta (42%)
- Yellow (0%)
- Black (37%)





- Cyan (46%)
- Magenta (63%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 42.470, 316.578 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, 42.470, 316.578 by changing the saturation by 10% instead.

 47, 42.470,
316.578

 47, 42.470,
316.578


 100, 42.470,
316.578


 37, 42.470,
316.578

 67, 42.470,
316.578


 27, 42.470,
316.578

 77, 42.470,
316.578

 17, 42.470,
316.578

 87, 42.470,
316.578

 7, 42.470, 316.578

 97, 42.470,
316.578

 0, 42.470, 316.578

 47, 42.470,

 47, 42.470,

316.578

■ 43, 52.528,
316.952

■ 39, 62.019,
317.242

■ 35, 70.501,
317.393

■ 32, 77.446,
317.338

■ 30, 82.360,
317.012

■ 29, 85.237,
316.587

316.578

■ 51, 32.168,
316.159

■ 56, 21.845,
315.725

■ 61, 11.640,
315.292

■ 65, 1.635, 314.805

■ 70, 8.124, 134.528

■ 75, 17.615,
134.162

■ 80, 26.833,
133.834

■ 84, 35.779,
133.538

 89, 44.462,
133.272

Harmonies

Complementary

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



47, 42.470, 316.578



62, 41.044, 132.841

Rectangle

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



47, 42.470, 316.578



47, 42.470, 6.578



47, 42.470, 136.578



47, 42.470, 186.578

Sweetspot

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



47, 42.468, 316.578



77, 14.856, 315.317



49, 26.886, 278.042



40, 9.846, 315.368



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



47, 42.468, 316.578



56, 62.993, 316.928



49, 40.469, 331.958



32, 5.706, 315.190



26, 79.102, 316.671



1, 8.667, 312.947

Inverse Universe

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



48, 30.185, 358.931



58, 44.873, 0.598



61, 40.441, 146.055



32, 3.976, 354.817



30, 56.690, 17.324



1, 5.982, 356.131

Previews

White Background



This preview shows how the CIELCh color 47, 42.470, 316.578 looks on a white background.

Color Contrast Check

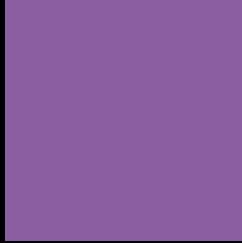
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 42.470, 316.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

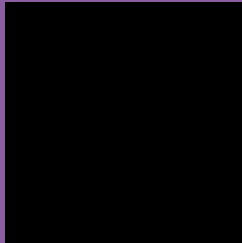
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 42.470, 316.578

Background



This preview shows how black text looks on a background with the CIELCh color 47, 42.470, 316.578.



This preview shows how white text looks on a background with the CIELCh color 47, 42.470, 316.578.

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, 42.470, 316.578

Protanopia

47, 38.037, 285.249

Deuteranopia

47, 28.051, 283.157



Tritanopia
47, 12.160, 358.224

Trichromacy



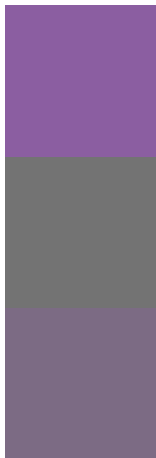
Original Color
47, 42.470, 316.578

Protanomaly
47, 38.548, 296.092

Deuteranomaly
47, 32.130, 297.933

Tritanomaly
47, 22.182, 329.252

Monochromacy



Original Color
47, 42.470, 316.578

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 16.247, 315.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 42.470, 316.578 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(139, 94, 161)` looks like.

```
.text, #text, p{  
    color:rgb(139, 94, 161)  
}
```

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(139, 94, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 94, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 42.470, 316.578 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(139, 94, 161) }
```

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

```
.border{ border-color:rgb(139, 94, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 94, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 94, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 94, 161);  
box-shadow:4px 4px 4px 4px rgb(139, 94,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 42.470, 316.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 94, 161) }
```

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

```
.background{ background-color: rgb(139, 94,  
161) }
```

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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