

Converting Colors

CIELCh(47, 45.461, 316.523)

Have a look what the booklet for
CIELCh(47, 45.461, 316.523)
contains.

CIELCh(47, 45.451, 316.515)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 45.451, 316.515)

Conversions

Conversions Part 1

Format	Color
Hex	8C5CA4
RGB	140, 92, 164
RGB Percent	55%, 36%, 64%
CMY	0.4495, 0.6378, 0.3553
CMYK	0.15, 0.44, 0.00, 0.36
HSL	280°, 28%, 50%
HSV	280°, 44%, 64%
XYZ	21.4741, 16.0195, 37.2657
YIQ	114.5600, 5.4960, 32.5680

Conversions

Conversions Part 2

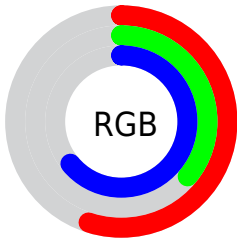
Format	Color
R_{YB}	140, 92, 164
Decimal	9198756
CIE _{Lab}	47.00, 32.98, -31.28
CIE _{LCh}	47, 45.451, 316.515
Yxy	16.0195, 0.2872, 0.2143
Android (android.graphics.Color)	4287388836 (0xFF8C5CA4)
YUV	114.5600, 24.3739, 22.3109
Hunter-Lab	40.0243, 25.7272, -27.1865

Details

The CIELCh color $47, 45.451, 316.515$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $63, 43.816, 132.576$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 45.536, 316.722$, and $27, 45.530, 316.413$ is the 20% darker color. If you saturate the color by 10%, you get $43, 55.599, 316.877$, and if you desaturate by 10%, it is $51, 34.996, 316.101$.

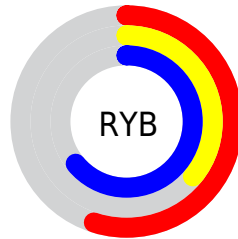
Distribution



Red (55%)

Green (36%)

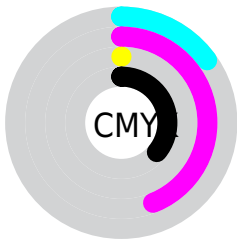
Blue (64%)



Red (55%)

Yellow (36%)

Blue (64%)

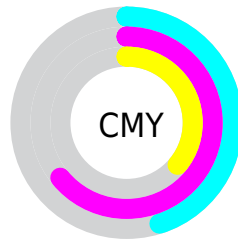


Cyan (15%)

Magenta (44%)

Yellow (0%)

Black (36%)



Cyan (45%)


Magenta (64%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 45.451, 316.515 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, 45.451, 316.515 by changing the saturation by 10% instead.


 47, 45.451,
316.515


 47, 45.451,
316.515


 100, 45.451,
316.515


 37, 45.451,
316.515

 67, 45.451,
316.515


 27, 45.451,
316.515

 77, 45.451,
316.515

 17, 45.451,
316.515

 87, 45.451,
316.515

 7, 45.451, 316.515

 97, 45.451,
316.515

 0, 45.451, 316.515

 47, 45.451,

 47, 45.451,

316.515

43, 55.599,
316.877

39, 65.086,
317.144

35, 73.434,
317.256

33, 80.094,
317.145

30, 84.594,
316.745

29, 86.710,
316.424

316.515

51, 34.996,
316.101

56, 24.484,
315.666

61, 14.069,
315.231


66, 3.846, 314.788

71, 6.132, 134.459

75, 15.840,
134.082

80, 25.269,
133.748

85, 34.421,
133.446

 90, 43.302,
133.175

Harmonies

Complementary

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



47, 45.451, 316.515



63, 43.816, 132.576

Rectangle

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



47, 45.451, 316.515



47, 45.451, 6.515



47, 45.451, 136.515



47, 45.451, 186.515

Sweetspot

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



47, 45.449, 316.515



78, 16.411, 315.206



49, 28.848, 278.554



40, 11.488, 315.298



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 45.449, 316.515



55, 67.910, 316.883



49, 43.210, 332.104



32, 5.699, 315.034



26, 79.174, 316.526



1, 8.657, 312.785

Inverse Universe

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



48, 32.402, 358.963



57, 48.472, 0.884



62, 43.218, 145.810



32, 3.986, 354.493



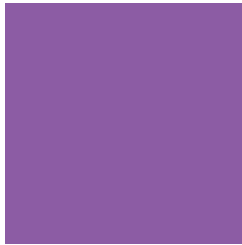
30, 56.594, 16.877



1, 5.997, 355.828

Previews

White Background



This preview shows how the CIELCh color 47, 45.451, 316.515 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, 45.451, 316.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

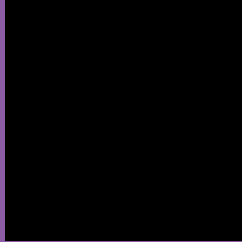
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 45.451, 316.515

Background



This preview shows how black text looks on a background with the CIELCh color 47, 45.451, 316.515.



This preview shows how white text looks on a background with the CIELCh color 47, 45.451, 316.515.

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, 45.451, 316.515

Protanopia

47, 41.573, 286.066

Deuteranopia

47, 29.854, 282.984



Tritanopia
47, 12.550, 359.041

Trichromacy



Original Color
47, 45.451, 316.515

Protanomaly
47, 42.092, 296.415

Deuteranomaly
47, 34.514, 297.932

Tritanomaly
47, 22.855, 329.177

Monochromacy



Original Color
47, 45.451, 316.515

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 16.782, 315.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 45.451, 316.515 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(140, 92, 164)` looks like.

```
.text, #text, p{  
    color:rgb(140, 92, 164)  
}
```

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(140, 92, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 92, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 45.451, 316.515 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(140, 92, 164) }
```

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

```
.border{ border-color:rgb(140, 92, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 92, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 92, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 92, 164);  
box-shadow:4px 4px 4px 4px rgb(140, 92,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 45.451, 316.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 92, 164) }
```

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

```
.background{ background-color: rgb(140, 92,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor