

Converting Colors

CIELCh(47, 51.319, 321.678)

Have a look what the booklet for
CIELCh(47, 51.319, 321.678)
contains.

CIELCh(47, 51.040, 321.918)	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, 51.040, 321.918)

Conversions

Conversions Part 1

Format	Color
Hex	9856A5
RGB	152, 86, 165
RGB Percent	60%, 34%, 65%
CMY	0.4043, 0.6631, 0.3533
CMYK	0.08, 0.48, 0.00, 0.35
HSL	290°, 31%, 49%
HSV	290°, 48%, 65%
XYZ	23.0330, 16.0195, 37.4282
YIQ	114.7400, 13.9770, 38.5610

Conversions

Conversions Part 2

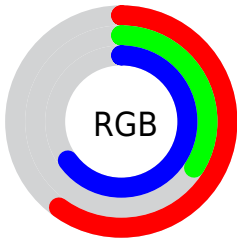
Format	Color
RYB	152, 86, 165
Decimal	9983653
CIELab	47.00, 40.18, -31.48
CIELCh	47, 51.040, 321.918
Yxy	16.0195, 0.3012, 0.2095
Android (android.graphics.Color)	4288173733 (0xFF9856A5)
YUV	114.7400, 24.7782, 32.6770
Hunter-Lab	40.0243, 32.6799, -27.4273

Details

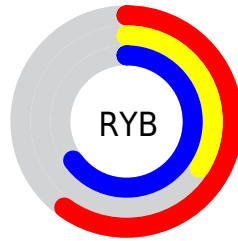
The CIELCh color $47, 51.040, 321.918$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $62, 50.332, 136.992$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 50.784, 322.093$, and $27, 51.270, 321.863$ is the 20% darker color. If you saturate the color by 10%, you get $43, 60.686, 322.231$, and if you desaturate by 10%, it is $51, 40.687, 321.533$.

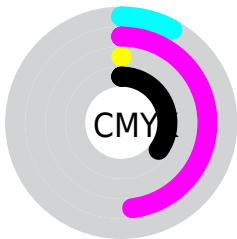
Distribution



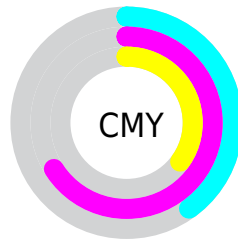
- Red (60%)
- Green (34%)
- Blue (65%)



- Red (60%)
- Yellow (34%)
- Blue (65%)



- Cyan (8%)
- Magenta (48%)
- Yellow (0%)
- Black (35%)





- Cyan (40%)
- Magenta (66%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 51.040, 321.918 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, 51.040, 321.918 by changing the saturation by 10% instead.


 47, 51.040,
321.918


 47, 51.040,
321.918


 100, 51.040,
321.918


 37, 51.040,
321.918

 67, 51.040,
321.918


 27, 51.040,
321.918

 77, 51.040,
321.918

 17, 51.040,
321.918

 87, 51.040,
321.918

 7, 51.040, 321.918

 97, 51.040,
321.918

 0, 51.040, 321.918

 47, 51.040,

 47, 51.040,

321.918

■ 43, 60.686,
322.231

■ 40, 69.204,
322.438

■ 38, 76.126,
322.500

■ 36, 81.056,
322.382

■ 34, 84.002,
322.083

■ 34, 84.555,
322.017

321.918

■ 51, 40.687,
321.533

■ 55, 29.975,
321.104

■ 60, 19.154,
320.653

■ 64, 8.394, 320.189

■ 69, 2.196, 139.855

■ 73, 12.548,
139.359

■ 78, 22.628,
138.950

■ 83, 32.419,
138.570

■ 87, 41.919,
138.218

Harmonies

Complementary

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



47, 51.040, 321.918



62, 50.332, 136.992

Rectangle

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



47, 51.040, 321.918



47, 51.040, 11.918



47, 51.040, 141.918



47, 51.040, 191.918

Sweetspot

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



47, 51.038, 321.918



78, 18.489, 320.485



44, 39.477, 289.843



40, 12.759, 320.580



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, 51.038, 321.918



56, 73.891, 322.235



48, 42.110, 339.490



32, 5.964, 320.253



30, 77.062, 322.078



1, 9.102, 318.596

Inverse Universe

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



46, 34.621, 12.269



55, 51.438, 14.639



62, 41.526, 151.228



32, 3.710, 6.743



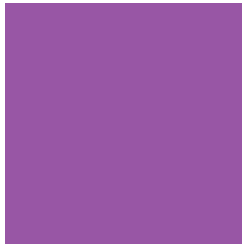
30, 61.933, 30.896



1, 5.606, 7.206

Previews

White Background



This preview shows how the CIELCh color 47, 51.040, 321.918 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, 51.040, 321.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

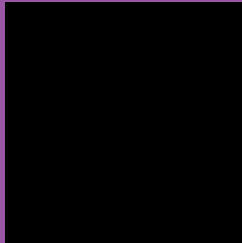
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 51.040, 321.918

Background



This preview shows how black text looks on a background with the CIELCh color 47, 51.040, 321.918.



This preview shows how white text looks on a background with the CIELCh color 47, 51.040, 321.918.

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, 51.040, 321.918

Protanopia
47, 45.103, 286.199

Deuteranopia
47, 29.285, 282.646



Tritanopia
47, 19.107, 9.651

Trichromacy



Original Color
47, 51.040, 321.918

Protanomaly
47, 45.710, 298.267

Deuteranomaly
47, 35.930, 301.151

Tritanomaly
47, 28.088, 339.818

Monochromacy



Original Color
47, 51.040, 321.918

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 19.566, 320.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 51.040, 321.918 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(152, 86, 165)` looks like.

```
.text, #text, p{  
    color:rgb(152, 86, 165)  
}
```

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(152, 86, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 86, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 51.040, 321.918 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(152, 86, 165) }
```

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

```
.border{ border-color:rgb(152, 86, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 86, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 86, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 86, 165);  
box-shadow:4px 4px 4px 4px rgb(152, 86,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 51.040, 321.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 86, 165) }
```

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

```
.background{ background-color: rgb(152, 86,  
165) }
```

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