

Converting Colors

CIELCh(47, 22.529, 322.227)

Have a look what the booklet for
CIELCh(47, 22.529, 322.227)
contains.

CIELCh(47, 22.529, 322.227)	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, 22.529, 322.227)

Conversions

Conversions Part 1

Format	Color
Hex	836687
RGB	131, 102, 135
RGB Percent	51%, 40%, 53%
CMY	0.4870, 0.6007, 0.4714
CMYK	0.03, 0.24, 0.00, 0.47
HSL	293°, 14%, 46%
HSV	293°, 24%, 53%
XYZ	18.4222, 16.0195, 24.9708
YIQ	114.4330, 6.6910, 16.4110

Conversions

Conversions Part 2

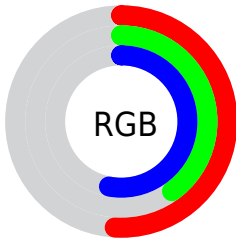
Format	Color
RYB	131, 102, 135
Decimal	8611463
CIELab	47.00, 17.81, -13.80
CIELCh	47, 22.529, 322.227
Yxy	16.0195, 0.3101, 0.2696
Android (android.graphics.Color)	4286801543 (0xFF836687)
YUV	114.4330, 10.1395, 14.5293
Hunter-Lab	40.0243, 12.1167, -8.9735

Details

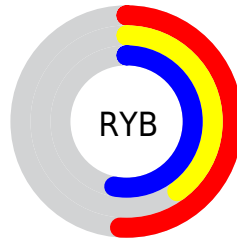
The CIELCh color $47, 22.529, 322.227$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 22.385, 139.795$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 22.484, 322.185$, and $27, 22.167, 322.266$ is the 20% darker color. If you saturate the color by 10%, you get $43, 31.733, 322.674$, and if you desaturate by 10%, it is $51, 13.263, 321.763$.

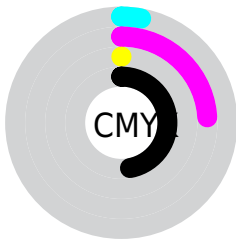
Distribution



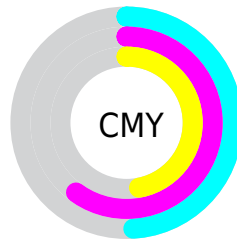
- Red (51%)
- Green (40%)
- Blue (53%)



- Red (51%)
- Yellow (40%)
- Blue (53%)



- Cyan (3%)
- Magenta (24%)
- Yellow (0%)
- Black (47%)




- Cyan (49%)
- Magenta (60%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 22.529, 322.227 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, 22.529, 322.227 by changing the saturation by 10% instead.


 47, 22.529,
322.227


 47, 22.529,
322.227


 100, 22.529,
322.227


 37, 22.529,
322.227

 67, 22.529,
322.227


 27, 22.529,
322.227

 77, 22.529,
322.227

 17, 22.529,
322.227

 87, 22.529,
322.227

 7, 22.529, 322.227

 97, 22.529,
322.227

 0, 22.529, 322.227

 47, 22.529,

 47, 22.529,

322.227

43, 31.733,
322.674

40, 40.689,
323.087

37, 49.135,
323.444

34, 56.743,
323.719

32, 63.146,
323.881

30, 68.002,
323.903

29, 71.135,
323.768

28, 72.587,
323.673

322.227

51, 13.263,
321.763

55, 4.071, 321.274

58, 4.965, 140.901

62, 13.794,
140.445

66, 22.388,
140.029

70, 30.735,
139.639

74, 38.834,
139.276

78, 46.690,
138.940

■ 82, 54.311,
138.629

Harmonies

Complementary

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



47, 22.529, 322.227



53, 22.385, 139.795

Rectangle

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



47, 22.529, 322.227



47, 22.529, 12.227



47, 22.529, 142.227



47, 22.529, 192.227

Sweetspot

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



47, 22.527, 322.227



68, 7.934, 321.413



46, 17.072, 287.150



36, 5.198, 321.436



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 22.527, 322.227



58, 33.205, 322.462



47, 18.091, 338.918



26, 5.081, 321.508



27, 70.723, 323.688



0, 1.209, 321.109

Inverse Universe

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



46, 14.200, 11.749



58, 21.217, 12.408



53, 17.836, 155.200



26, 3.085, 10.110



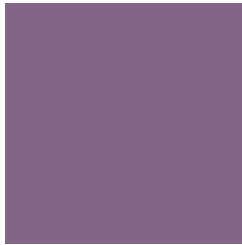
26, 58.415, 33.155



0, 0.720, 9.427

Previews

White Background



This preview shows how the CIELCh color 47, 22.529, 322.227 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, 22.529, 322.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

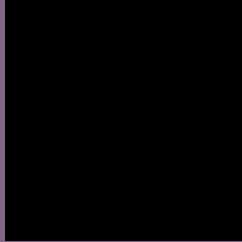
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 22.529, 322.227

Background



This preview shows how black text looks on a background with the CIELCh color 47, 22.529, 322.227.



This preview shows how white text looks on a background with the CIELCh color 47, 22.529, 322.227.

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, 22.529, 322.227

Protanopia

47, 18.426, 285.955

Deuteranopia

47, 14.296, 296.606



Tritanopia
47, 10.224, 353.277

Trichromacy



Original Color
47, 22.529, 322.227

Protanomaly
47, 19.218, 300.400

Deuteranomaly
47, 17.405, 308.795

Tritanomaly
47, 14.648, 334.752

Monochromacy



Original Color
47, 22.529, 322.227

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.171, 320.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 22.529, 322.227 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(131, 102, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 102, 135)  
}
```

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(131, 102, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 102, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 22.529, 322.227 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(131, 102, 135) }
```

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

```
.border{ border-color:rgb(131, 102, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 102, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 102, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 102, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 102,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 22.529, 322.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 102, 135) }
```

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

```
.background{ background-color: rgb(131,  
102, 135) }
```

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