

Converting Colors

CIELCh(41, 46.615, 315.957)

Have a look what the booklet for
CIELCh(41, 46.615, 315.957)
contains.

CIELCh(41, 46.669, 315.968)	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(41, 46.669, 315.968)

Conversions

Conversions Part 1

Format	Color
Hex	7C4D96
RGB	124, 77, 150
RGB Percent	49%, 30%, 59%
CMY	0.5126, 0.6970, 0.4106
CMYK	0.17, 0.49, 0.00, 0.41
HSL	279°, 32%, 45%
HSV	279°, 49%, 59%
XYZ	16.5567, 11.8645, 30.3971
YIQ	99.3750, 4.5790, 32.6670

Conversions

Conversions Part 2

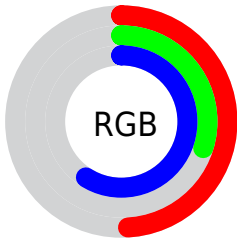
Format	Color
R_{YB}	124, 77, 150
Decimal	8146326
CIE _{Lab}	41.00, 33.55, -32.44
CIE _{LCh}	41, 46.669, 315.968
Yxy	11.8645, 0.2815, 0.2017
Android (android.graphics.Color)	4286336406 (0xFF7C4D96)
YUV	99.3750, 24.9581, 21.5961
Hunter-Lab	34.4449, 25.5210, -28.2111

Details

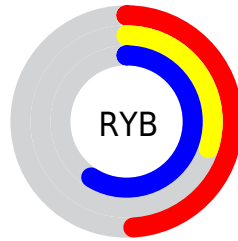
The CIELCh color $41, 46.669, 315.968$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 44.660, 131.653$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 47.112, 315.895$, and $21, 46.638, 315.875$ is the 20% darker color. If you saturate the color by 10%, you get $37, 55.922, 316.305$, and if you desaturate by 10%, it is $45, 37.034, 315.565$.

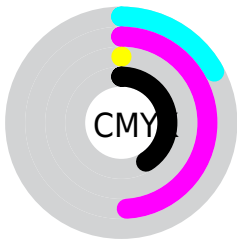
Distribution



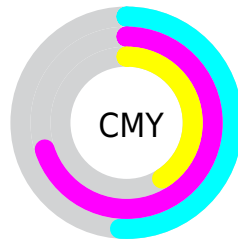
- Red (49%)
- Green (30%)
- Blue (59%)



- Red (49%)
- Yellow (30%)
- Blue (59%)



- Cyan (17%)
- Magenta (49%)
- Yellow (0%)
- Black (41%)





- Cyan (51%)
- Magenta (70%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 46.669, 315.968 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 41, 46.669, 315.968 by changing the saturation by 10% instead.

 41, 46.669,
315.968


 41, 46.669,
315.968


 100, 46.669,
315.968


 31, 46.669,
315.968

 61, 46.669,
315.968


 21, 46.669,
315.968

 71, 46.669,
315.968

 11, 46.669,
315.968

 81, 46.669,
315.968

 1, 46.669, 315.968

 91, 46.669,
315.968

 0, 46.669, 315.968

 41, 46.669,

 41, 46.669,

315.968

37, 55.922,
316.305

34, 64.423,
316.526

31, 71.692,
316.564

28, 77.214,
316.347

26, 80.982,
315.882

26, 81.508,
315.822

315.968

45, 37.034,
315.565

49, 27.282,
315.132

54, 17.581,
314.693

58, 8.034, 314.262

63, 1.298, 133.980

67, 10.387,
133.519

72, 19.219,
133.173

76, 27.793,
132.862

■ 81, 36.115,
132.583

Harmonies

Complementary

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



41, 46.669, 315.968



57, 44.660, 131.653

Rectangle

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



41, 46.669, 315.968



41, 46.669, 5.968



41, 46.669, 135.968



41, 46.669, 185.968

Sweetspot

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



41, 46.668, 315.968



71, 17.583, 314.551



44, 28.528, 277.005



36, 12.116, 314.635



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



41, 46.668, 315.968



48, 68.795, 316.323



44, 45.209, 331.177



29, 5.221, 314.288



23, 76.429, 315.902



1, 4.521, 313.929

Inverse Universe

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



43, 33.641, 358.123



51, 49.431, 0.244



56, 45.379, 144.287



29, 3.719, 352.966



28, 53.981, 14.447



1, 3.202, 352.189

Previews

White Background



This preview shows how the CIELCh color 41, 46.669, 315.968 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 41, 46.669, 315.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

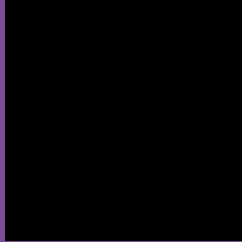
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 46.669, 315.968

Background



This preview shows how black text looks on a background with the CIELCh color 41, 46.669, 315.968.



This preview shows how white text looks on a background with the CIELCh color 41, 46.669, 315.968.

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
41, 46.669, 315.968

Protanopia
41, 43.189, 285.851

Deuteranopia
41, 30.738, 281.194



Tritanopia
41, 11.869, 0.325

Trichromacy



Original Color
41, 46.669, 315.968

Protanomaly
41, 43.053, 295.430

Deuteranomaly
41, 35.269, 296.253

Tritanomaly
41, 23.113, 328.485

Monochromacy



Original Color
41, 46.669, 315.968

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 17.183, 315.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 46.669, 315.968 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(124, 77, 150)` looks like.

```
.text, #text, p{  
    color:rgb(124, 77, 150)  
}
```

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(124, 77, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 77, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 46.669, 315.968 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(124, 77, 150) }
```

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

```
.border{ border-color:rgb(124, 77, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 77, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 77, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 77, 150);  
box-shadow:4px 4px 4px 4px rgb(124, 77,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 46.669, 315.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 77, 150) }
```

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

```
.background{ background-color: rgb(124, 77,  
150) }
```

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