

Converting Colors

CIELCh(41, 45.666, 315.105)

Have a look what the booklet for
CIELCh(41, 45.666, 315.105)
contains.

CIELCh(41, 45.929, 315.352)	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, 45.929, 315.352)

Conversions

Conversions Part 1

Format	Color
Hex	7B4E96
RGB	123, 78, 150
RGB Percent	48%, 31%, 59%
CMY	0.5176, 0.6941, 0.4117
CMYK	0.18, 0.48, 0.00, 0.41
HSL	277°, 32%, 45%
HSV	277°, 48%, 59%
XYZ	16.4011, 11.8645, 30.2848
YIQ	99.6630, 3.7080, 31.9320

Conversions

Conversions Part 2

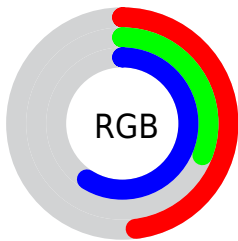
Format	Color
R_{YB}	123, 78, 150
Decimal	8081046
CIE _{Lab}	41.00, 32.68, -32.28
CIE _{LCh}	41, 45.929, 315.352
Yxy	11.8645, 0.2801, 0.2026
Android (android.graphics.Color)	4286271126 (0xFF7B4E96)
YUV	99.6630, 24.8161, 20.4665
Hunter-Lab	34.4449, 24.7150, -28.0178

Details

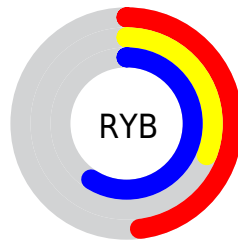
The CIELCh color $41, 45.929, 315.352$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 43.832, 131.091$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 46.365, 315.318$, and $21, 46.024, 315.251$ is the 20% darker color. If you saturate the color by 10%, you get $37, 55.233, 315.708$, and if you desaturate by 10%, it is $45, 36.288, 314.935$.

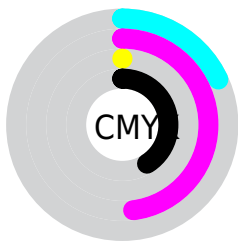
Distribution



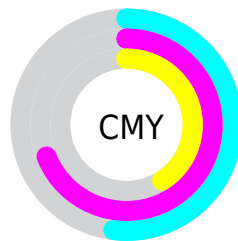
- Red (48%)
- Green (31%)
- Blue (59%)



- Red (48%)
- Yellow (31%)
- Blue (59%)



- Cyan (18%)
- Magenta (48%)
- Yellow (0%)
- Black (41%)





- Cyan (52%)
- Magenta (69%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 45.929, 315.352 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, 45.929, 315.352 by changing the saturation by 10% instead.


 41, 45.929,
315.352


 41, 45.929,
315.352


 100, 45.929,
315.352


 31, 45.929,
315.352

 61, 45.929,
315.352


 21, 45.929,
315.352

 71, 45.929,
315.352

 11, 45.929,
315.352


 81, 45.929,
315.352

 1, 45.929, 315.352

 91, 45.929,
315.352

 0, 45.929, 315.352

 41, 45.929,

 41, 45.929,

315.352

37, 55.233,
315.708

33, 63.843,
315.951

30, 71.280,
316.015

28, 77.016,
315.823

26, 80.935,
315.365

25, 81.700,
315.281

315.352

45, 36.288,
314.935

50, 26.564,
314.494

54, 16.913,
314.051

58, 7.431, 313.617

63, 1.830, 133.305

68, 10.843,
132.878

72, 19.598,
132.536

77, 28.096,
132.230

■ 81, 36.343,
131.957

Harmonies

Complementary

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



41, 45.929, 315.352



57, 43.832, 131.091

Rectangle

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



41, 45.929, 315.352



41, 45.929, 5.352



41, 45.929, 135.352



41, 45.929, 185.352

Sweetspot

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



41, 45.928, 315.352



71, 16.148, 313.889



44, 27.503, 275.468



36, 11.140, 313.974



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



41, 45.928, 315.352



48, 67.989, 315.742



44, 45.146, 330.559



29, 5.197, 313.669



23, 76.713, 315.361



1, 4.499, 313.309

Inverse Universe

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



43, 33.414, 356.695



50, 49.169, 358.851



56, 45.322, 143.863



29, 3.759, 351.744



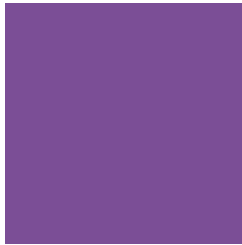
28, 53.742, 12.666



1, 3.240, 350.974

Previews

White Background



This preview shows how the CIELCh color 41, 45.929, 315.352 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 41, 45.929, 315.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

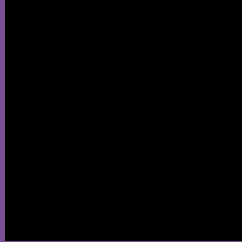
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 45.929, 315.352

Background



This preview shows how black text looks on a background with the CIELCh color 41, 45.929, 315.352.



This preview shows how white text looks on a background with the CIELCh color 41, 45.929, 315.352.

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, 45.929, 315.352

Protanopia

41, 42.581, 285.884

Deuteranopia

41, 30.163, 280.787



Tritanopia
41, 11.464, 359.473

Trichromacy



Original Color
41, 45.929, 315.352

Protanomaly
41, 43.053, 295.430

Deuteranomaly
41, 34.672, 296.202

Tritanomaly
41, 22.179, 327.621

Monochromacy



Original Color
41, 45.929, 315.352

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 17.040, 313.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 45.929, 315.352 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(123, 78, 150)` looks like.

```
.text, #text, p{  
    color:rgb(123, 78, 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(123, 78, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 78, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 45.929, 315.352 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(123, 78, 150) }
```

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

```
.border{ border-color:rgb(123, 78, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 78, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 78, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 78, 150);  
box-shadow:4px 4px 4px 4px rgb(123, 78,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 45.929, 315.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 78, 150) }
```

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

```
.background{ background-color: rgb(123, 78,  
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