

Converting Colors

CIELCh(41, 45.641, 326.893)

Have a look what the booklet for
CIELCh(41, 45.641, 326.893)
contains.

CIELCh(41, 45.473, 326.872)	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, 45.473, 326.872)

Conversions

Conversions Part 1

Format	Color
Hex	8A488A
RGB	138, 72, 138
RGB Percent	54%, 28%, 54%
CMY	0.4590, 0.7178, 0.4590
CMYK	0.00, 0.48, 0.00, 0.46
HSL	300°, 31%, 41%
HSV	300°, 48%, 54%
XYZ	17.3753, 11.8645, 25.4059
YIQ	99.2580, 18.1500, 34.5180

Conversions

Conversions Part 2

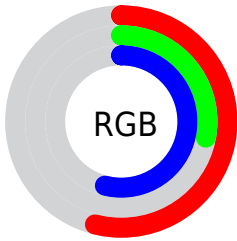
Format	Color
RYB	138, 72, 138
Decimal	9062538
CIELab	41.00, 38.08, -24.85
CIElCh	41, 45.473, 326.872
Yxy	11.8645, 0.3180, 0.2171
Android (android.graphics.Color)	4287252618 (0xFF8A488A)
YUV	99.2580, 19.0998, 33.9767
Hunter-Lab	34.4449, 29.7635, -19.6196

Details

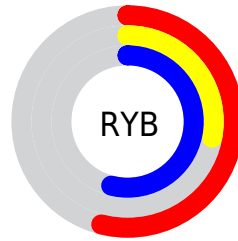
The CIELCh color $41, 45.473, 326.872$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 45.651, 140.754$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 45.558, 326.776$, and $21, 45.603, 326.765$ is the 20% darker color. If you saturate the color by 10%, you get $38, 53.692, 327.289$, and if you desaturate by 10%, it is $44, 36.464, 326.404$.

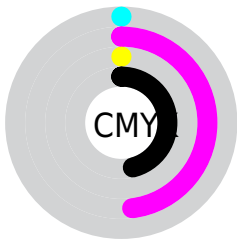
Distribution



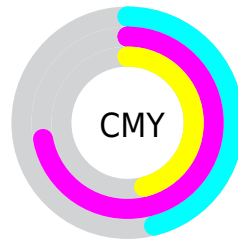
- Red (54%)
- Green (28%)
- Blue (54%)



- Red (54%)
- Yellow (28%)
- Blue (54%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (46%)





- Cyan (46%)
- Magenta (72%)
- Yellow (46%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 45.473, 326.872 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, 45.473, 326.872 by changing the saturation by 10% instead.


 41, 45.473,
326.872


 41, 45.473,
326.872


 100, 45.473,
326.872


 31, 45.473,
326.872

 61, 45.473,
326.872


 21, 45.473,
326.872

 71, 45.473,
326.872

 11, 45.473,
326.872

 81, 45.473,
326.872

 1, 45.473, 326.872

 91, 45.473,
326.872

 0, 45.473, 326.872

 41, 45.473,

 41, 45.473,

326.872

326.872

■ 38, 53.692,
327.289

■ 44, 36.464,
326.404

■ 36, 60.774,
327.639

■ 47, 26.985,
325.901

■ 34, 66.388,
327.910

■ 51, 17.287,
325.375

■ 33, 70.303,
328.096

■ 55, 7.561, 324.830

■ 32, 72.706,
328.209

■ 58, 2.064, 144.424

■ 32, 73.190,
328.232

■ 62, 11.500,
143.830

■ 66, 20.697,
143.323

■ 70, 29.628,
142.843

■ 74, 38.282,
142.388

Harmonies

Complementary

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



41, 45.473, 326.872



52, 45.651, 140.754

Rectangle

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



41, 45.473, 326.872



41, 45.473, 16.872



41, 45.473, 146.872



41, 45.473, 196.872

Sweetspot

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



41, 45.471, 326.872



66, 16.726, 325.185



34, 40.603, 296.138



33, 11.510, 325.286



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



41, 45.471, 326.872



50, 65.227, 327.303



40, 33.248, 347.480



27, 5.441, 324.904



31, 71.116, 328.232



0, 2.512, 324.438

Inverse Universe

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



39, 30.670, 24.402



46, 46.335, 26.570



52, 31.720, 158.038



27, 3.148, 19.883



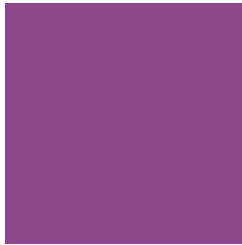
27, 63.128, 38.658



0, 1.414, 19.403

Previews

White Background



This preview shows how the CIELCh color 41, 45.473, 326.872 looks on a white background.

Color Contrast Check

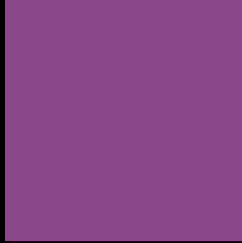
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.473, 326.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

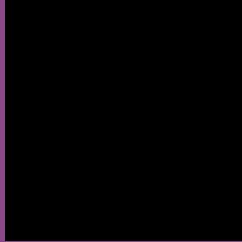
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 45.473, 326.872

Background



This preview shows how black text looks on a background with the CIELCh color 41, 45.473, 326.872.

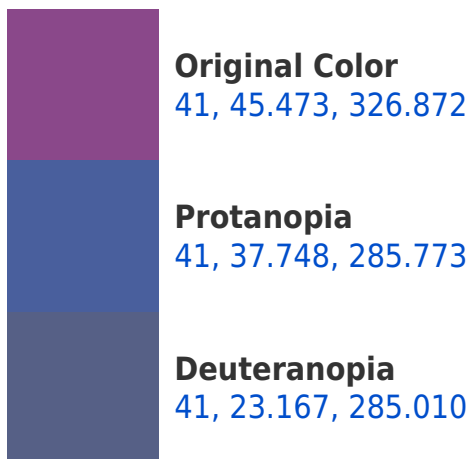


This preview shows how white text looks on a background with the CIELCh color 41, 45.473, 326.872.

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





Tritanopia
41, 21.897, 11.825

Trichromacy



Original Color
41, 45.473, 326.872

Protanomaly
41, 38.526, 300.407

Deuteranomaly
41, 30.032, 306.664

Tritanomaly
41, 27.889, 347.052

Monochromacy



Original Color
41, 45.473, 326.872

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 17.488, 325.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 45.473, 326.872 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(138, 72, 138)` looks like.

```
.text, #text, p{  
    color:rgb(138, 72, 138)  
}
```

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(138, 72, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 72, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 45.473, 326.872 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(138, 72, 138) }
```

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

```
.border{ border-color:rgb(138, 72, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 72, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 72, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 72, 138);  
box-shadow:4px 4px 4px 4px rgb(138, 72,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 45.473, 326.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 72, 138) }
```

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

```
.background{ background-color: rgb(138, 72,  
138) }
```

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](#).

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