

Converting Colors

CIELCh(45, 41.404, 320.483)

Have a look what the booklet for
CIELCh(45, 41.404, 320.483)
contains.

CIELCh(45, 41.275, 320.389)	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(45, 41.275, 320.389)

Conversions

Conversions Part 1

Format	Color
Hex	8A5897
RGB	138, 88, 151
RGB Percent	54%, 35%, 59%
CMY	0.4599, 0.6559, 0.4089
CMYK	0.09, 0.42, 0.00, 0.41
HSL	288°, 26%, 47%
HSV	288°, 42%, 59%
XYZ	19.4669, 14.5417, 30.9407
YIQ	110.1320, 9.5770, 30.1930

Conversions

Conversions Part 2

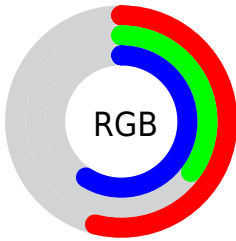
Format	Color
R_{YB}	138, 88, 151
Decimal	9066647
CIE _{Lab}	45.00, 31.80, -26.32
CIE _{LCh}	45, 41.275, 320.389
Yxy	14.5417, 0.2997, 0.2239
Android (android.graphics.Color)	4287256727 (0xFF8A5897)
YUV	110.1320, 20.1479, 24.4402
Hunter-Lab	38.1336, 24.3890, -21.4130

Details

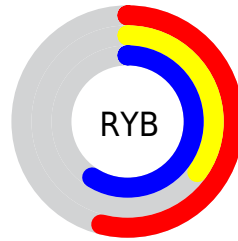
The CIELCh color $45, 41.275, 320.389$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 40.533, 136.353$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 41.146, 320.788$, and $25, 41.560, 320.590$ is the 20% darker color. If you saturate the color by 10%, you get $41, 50.727, 320.742$, and if you desaturate by 10%, it is $49, 31.438, 319.984$.

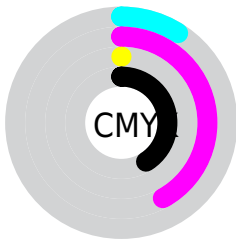
Distribution



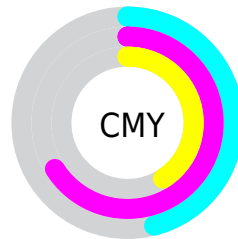
- Red (54%)
- Green (35%)
- Blue (59%)



- Red (54%)
- Yellow (35%)
- Blue (59%)



- Cyan (9%)
- Magenta (42%)
- Yellow (0%)
- Black (41%)




- Cyan (46%)
- Magenta (66%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 41.275, 320.389 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 45, 41.275, 320.389 by changing the saturation by 10% instead.

 45, 41.275,
320.389


 45, 41.275,
320.389


 100, 41.275,
320.389


 35, 41.275,
320.389

 65, 41.275,
320.389


 25, 41.275,
320.389

 75, 41.275,
320.389

 15, 41.275,
320.389

 85, 41.275,
320.389

 5, 41.275, 320.389

 95, 41.275,
320.389

 0, 41.275, 320.389

 45, 41.275,

 45, 41.275,

320.389

41, 50.727,
320.742

38, 59.465,
321.011

35, 67.073,
321.154

33, 73.112,
321.127

31, 77.230,
320.892

30, 79.589,
320.593

320.389

49, 31.438,
319.984

53, 21.468,
319.552

57, 11.531,
319.110

62, 1.735, 318.599

66, 7.853, 138.304

70, 17.199,
137.902

75, 26.285,
137.534

79, 35.107,
137.194

 84, 43.668,
136.882

Harmonies

Complementary

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



45, 41.275, 320.389



58, 40.533, 136.353

Rectangle

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



45, 41.275, 320.389



45, 41.275, 10.389



45, 41.275, 140.389



45, 41.275, 190.389

Sweetspot

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



45, 41.273, 320.389



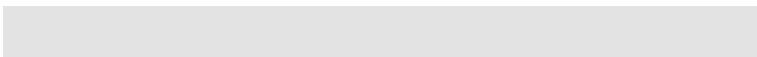
72, 15.799, 319.175



44, 29.730, 285.772



37, 11.161, 319.267



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



45, 41.273, 320.389



54, 60.819, 320.717



46, 35.588, 336.615



30, 5.586, 318.995



28, 75.501, 320.638



1, 5.968, 318.216

Inverse Universe

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



45, 27.888, 7.859



54, 41.801, 9.666



57, 35.260, 150.071



30, 3.565, 3.535



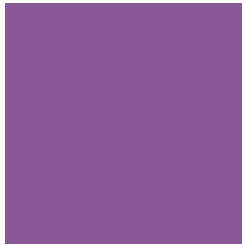
29, 58.658, 27.612



1, 3.763, 3.021

Previews

White Background



This preview shows how the CIELCh color 45, 41.275, 320.389 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 45, 41.275, 320.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

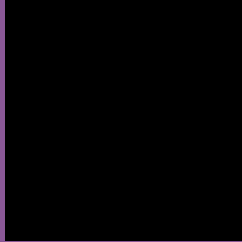
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 41.275, 320.389

Background



This preview shows how black text looks on a background with the CIELCh color 45, 41.275, 320.389.



This preview shows how white text looks on a background with the CIELCh color 45, 41.275, 320.389.

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

45, 41.275, 320.389

Protanopia

45, 35.950, 285.337

Deuteranopia

45, 25.197, 285.154



Tritanopia
45, 14.552, 4.891

Trichromacy



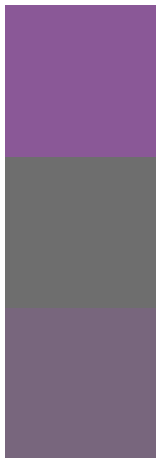
Original Color
45, 41.275, 320.389

Protanomaly
45, 36.530, 297.575

Deuteranomaly
45, 29.652, 301.523

Tritanomaly
45, 22.730, 335.559

Monochromacy



Original Color
45, 41.275, 320.389

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 15.477, 319.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 41.275, 320.389 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, 88, 151)` looks like.

```
.text, #text, p{  
    color:rgb(138, 88, 151)  
}
```

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, 88, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 88, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 41.275, 320.389 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, 88, 151) }
```

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

```
.border{ border-color:rgb(138, 88, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 88, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 88, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 88, 151);  
box-shadow:4px 4px 4px 4px rgb(138, 88,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 41.275, 320.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 88, 151) }
```

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

```
.background{ background-color: rgb(138, 88,  
151) }
```

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