

Converting Colors

CIELCh(45, 47.738, 319.859)

Have a look what the booklet for
CIELCh(45, 47.738, 319.859)
contains.

CIELCh(45, 47.738, 319.859)	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, 47.738, 319.859)

Conversions

Conversions Part 1

Format	Color
Hex	8D549E
RGB	141, 84, 158
RGB Percent	55%, 33%, 62%
CMY	0.4460, 0.6696, 0.3794
CMYK	0.11, 0.47, 0.00, 0.38
HSL	286°, 31%, 48%
HSV	286°, 47%, 62%
XYZ	20.4123, 14.5417, 34.1968
YIQ	109.4790, 10.2180, 35.0980

Conversions

Conversions Part 2

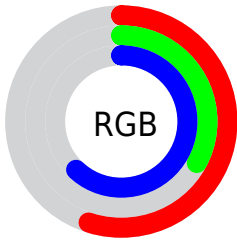
Format	Color
R_{YB}	141, 84, 158
Decimal	9262238
CIE _{Lab}	45.00, 36.49, -30.78
CIE _{LCh}	45, 47.738, 319.859
Yxy	14.5417, 0.2952, 0.2103
Android (android.graphics.Color)	4287452318 (0xFF8D549E)
YUV	109.4790, 23.9209, 27.6439
Hunter-Lab	38.1336, 28.8144, -26.4756

Details

The CIELCh color $45, 47.738, 319.859$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $60, 46.661, 135.395$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 47.892, 319.866$, and $25, 47.861, 320.038$ is the 20% darker color. If you saturate the color by 10%, you get $41, 57.272, 320.173$, and if you desaturate by 10%, it is $49, 37.668, 319.477$.

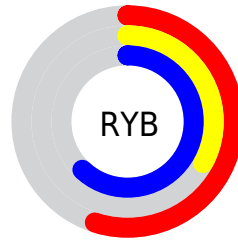
Distribution



Red (55%)

Green (33%)

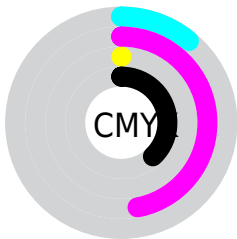
Blue (62%)



Red (55%)

Yellow (33%)

Blue (62%)

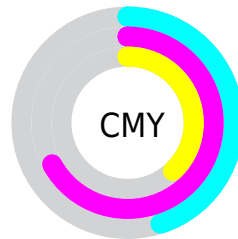


Cyan (11%)

Magenta (47%)

Yellow (0%)

Black (38%)



Cyan (45%)


Magenta (67%)


Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 47.738, 319.859 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, 47.738, 319.859 by changing the saturation by 10% instead.


 45, 47.738,
319.859


 45, 47.738,
319.859


 100, 47.738,
319.859


 35, 47.738,
319.859

 65, 47.738,
319.859


 25, 47.738,
319.859

 75, 47.738,
319.859

 15, 47.738,
319.859

 85, 47.738,
319.859

 5, 47.738, 319.859

 95, 47.738,
319.859

 0, 47.738, 319.859

 45, 47.738,

 45, 47.738,

319.859

319.859

41, 57.272,
320.173

49, 37.668,
319.477

38, 65.879,
320.378

53, 27.366,
319.057

35, 73.093,
320.429

58, 17.037,
318.621

33, 78.464,
320.277

62, 6.818, 318.177

67, 3.208, 137.838

31, 81.832,
319.899

71, 12.993,
137.404

31, 82.791,
319.769

76, 22.512,
137.028

81, 31.758,
136.684

■ 85, 40.732,
136.368

Harmonies

Complementary

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



45, 47.738, 319.859



60, 46.661, 135.395

Rectangle

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



45, 47.738, 319.859



45, 47.738, 9.859



45, 47.738, 139.859



45, 47.738, 189.859

Sweetspot

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



45, 47.736, 319.859



75, 17.634, 318.511



44, 34.162, 285.909



39, 12.292, 318.601



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 47.736, 319.859



54, 70.143, 320.181



46, 41.621, 336.313



31, 5.704, 318.289



28, 76.767, 319.837



1, 7.331, 316.864

Inverse Universe

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



45, 32.767, 7.072



54, 48.909, 9.349



59, 41.374, 148.860



31, 3.696, 1.803



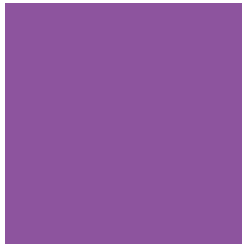
29, 58.653, 25.863



1, 4.710, 1.897

Previews

White Background



This preview shows how the CIELCh color 45, 47.738, 319.859 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 45, 47.738, 319.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

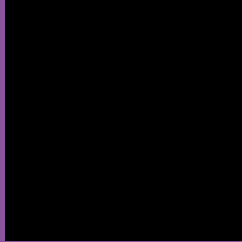
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 47.738, 319.859

Background



This preview shows how black text looks on a background with the CIELCh color 45, 47.738, 319.859.



This preview shows how white text looks on a background with the CIELCh color 45, 47.738, 319.859.

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, 47.738, 319.859

Protanopia
45, 42.483, 285.606

Deuteranopia
45, 28.929, 282.563



Tritanopia
45, 16.247, 6.936

Trichromacy



Original Color
45, 47.738, 319.859

Protanomaly
45, 43.656, 297.527

Deuteranomaly
45, 34.903, 299.728

Tritanomaly
45, 25.944, 336.120

Monochromacy



Original Color
45, 47.738, 319.859

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 17.935, 317.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 47.738, 319.859 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(141, 84, 158)` looks like.

```
.text, #text, p{  
    color:rgb(141, 84, 158)  
}
```

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(141, 84, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 84, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 47.738, 319.859 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(141, 84, 158) }
```

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

```
.border{ border-color:rgb(141, 84, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 84, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 84, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 84, 158);  
box-shadow:4px 4px 4px 4px rgb(141, 84,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 47.738, 319.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 84, 158) }
```

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

```
.background{ background-color: rgb(141, 84,  
158) }
```

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