

Converting Colors

CIELCh(45, 47.805, 333.235)

Have a look what the booklet for
CIELCh(45, 47.805, 333.235)
contains.

CIELCh(45, 47.699, 333.292)	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, 47.699, 333.292)

Conversions

Conversions Part 1

Format	Color
Hex	9E4D8F
RGB	158, 77, 143
RGB Percent	62%, 30%, 56%
CMY	0.3807, 0.6983, 0.4395
CMYK	0.00, 0.51, 0.09, 0.38
HSL	311°, 34%, 46%
HSV	311°, 51%, 62%
XYZ	21.6889, 14.5417, 27.6235
YIQ	108.7430, 27.0900, 37.6980

Conversions

Conversions Part 2

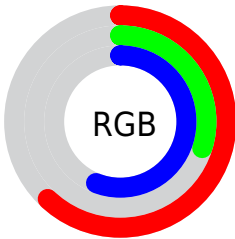
Format	Color
R_{YB}	158, 77, 143
Decimal	10374543
CIE _{Lab}	45.00, 42.61, -21.44
CIE _{LCh}	45, 47.699, 333.292
Yxy	14.5417, 0.3397, 0.2277
Android (android.graphics.Color)	4288564623 (0xFF9E4D8F)
YUV	108.7430, 16.8887, 43.1984
Hunter-Lab	38.1336, 34.7898, -16.2554

Details

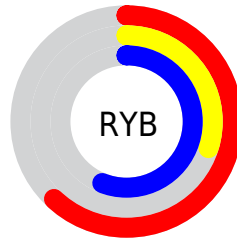
The CIELCh color $45, 47.699, 333.292$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 47.857, 145.544$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 47.669, 333.129$, and $25, 47.366, 333.397$ is the 20% darker color. If you saturate the color by 10%, you get $42, 55.393, 333.990$, and if you desaturate by 10%, it is $48, 39.048, 332.615$.

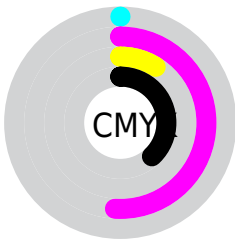
Distribution



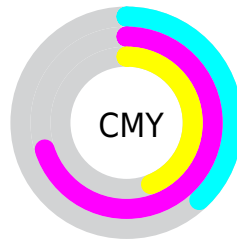
- Red (62%)
- Green (30%)
- Blue (56%)



- Red (62%)
- Yellow (30%)
- Blue (56%)



- Cyan (0%)
- Magenta (51%)
- Yellow (9%)
- Black (38%)




- Cyan (38%)
- Magenta (70%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 47.699, 333.292 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, 47.699, 333.292 by changing the saturation by 10% instead.


 45, 47.699,
333.292


 45, 47.699,
333.292


 100, 47.699,
333.292


 35, 47.699,
333.292

 65, 47.699,
333.292


 25, 47.699,
333.292

 75, 47.699,
333.292

 15, 47.699,
333.292

 85, 47.699,
333.292

 5, 47.699, 333.292

 95, 47.699,
333.292

 0, 47.699, 333.292

 45, 47.699,

 45, 47.699,

333.292

■ 42, 55.393,
333.990

■ 40, 61.727,
334.716

■ 38, 66.323,
335.490

■ 36, 68.956,
336.339

■ 36, 70.064,
337.138

333.292

■ 48, 39.048,
332.615

■ 52, 29.817,
331.953

■ 56, 20.301,
331.306


■ 60, 10.718,
330.671

■ 65, 1.215, 329.883

■ 69, 8.113, 149.546

■ 73, 17.210,
148.977

■ 78, 26.050,
148.446

 82, 34.623,
147.944

Harmonies

Complementary

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



45, 47.699, 333.292



59, 47.857, 145.544

Rectangle

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



45, 47.699, 333.292



45, 47.699, 23.292



45, 47.699, 153.292



45, 47.699, 203.292

Sweetspot

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



45, 47.697, 333.292



75, 17.767, 330.925



38, 49.895, 302.311



39, 12.229, 331.051



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, 47.697, 333.292



54, 69.241, 334.127



44, 36.504, 1.506



31, 5.369, 330.542



32, 65.164, 337.046



1, 6.827, 331.105

Inverse Universe

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



45, 47.697, 333.292



54, 69.241, 334.127



60, 31.730, 169.346



31, 5.369, 330.542



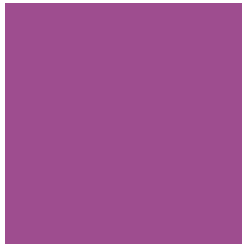
32, 65.164, 337.046



1, 6.827, 331.105

Previews

White Background



This preview shows how the CIELCh color 45, 47.699, 333.292 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, 47.699, 333.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

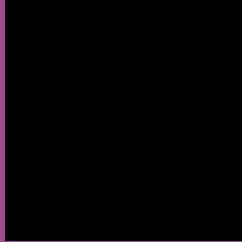
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 47.699, 333.292

Background



This preview shows how black text looks on a background with the CIELCh color 45, 47.699, 333.292.



This preview shows how white text looks on a background with the CIELCh color 45, 47.699, 333.292.

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
45, 28.658, 15.495

Trichromacy



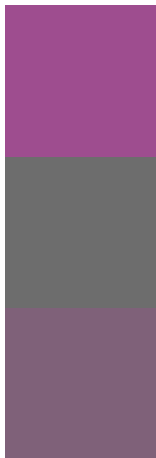
Original Color
45, 47.699, 333.292

Protanomaly
44, 37.658, 303.750

Deuteranomaly
45, 28.781, 313.861

Tritanomaly
45, 33.033, 355.027

Monochromacy



Original Color
45, 47.699, 333.292

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.664, 331.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 47.699, 333.292 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(158, 77, 143)` looks like.

```
.text, #text, p{  
    color:rgb(158, 77, 143)  
}
```

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(158, 77, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 77, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 47.699, 333.292 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(158, 77, 143) }
```

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

```
.border{ border-color:rgb(158, 77, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 77, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 77, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 77, 143);  
box-shadow:4px 4px 4px 4px rgb(158, 77,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 47.699, 333.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 77, 143) }
```

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

```
.background{ background-color: rgb(158, 77,  
143) }
```

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