

Converting Colors

CIELCh(45, 38.172, 312.220)

Have a look what the booklet for
CIELCh(45, 38.172, 312.220)
contains.

CIELCh(45, 38.204, 312.320)	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, 38.204, 312.320)

Conversions

Conversions Part 1

Format	Color
Hex	7E5D9A
RGB	126, 93, 154
RGB Percent	49%, 36%, 60%
CMY	0.5067, 0.6360, 0.3969
CMYK	0.18, 0.40, 0.00, 0.40
HSL	272°, 25%, 48%
HSV	272°, 40%, 60%
XYZ	18.2875, 14.5417, 32.3248
YIQ	109.8210, 0.0870, 25.9670

Conversions

Conversions Part 2

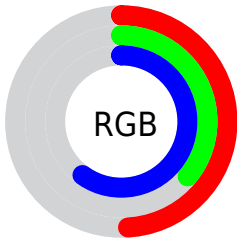
Format	Color
RYB	126, 93, 154
Decimal	8281498
CIELab	45.00, 25.72, -28.25
CIELCh	45, 38.204, 312.320
Yxy	14.5417, 0.2807, 0.2232
Android (android.graphics.Color)	4286471578 (0xFF7E5D9A)
YUV	109.8210, 21.7802, 14.1890
Hunter-Lab	38.1336, 18.8685, -23.5650

Details

The CIELCh color $45, 38.204, 312.320$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $60, 36.338, 128.690$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.296, 312.355$, and $25, 38.475, 311.973$ is the 20% darker color. If you saturate the color by 10%, you get $41, 48.058, 312.800$, and if you desaturate by 10%, it is $50, 28.319, 311.826$.

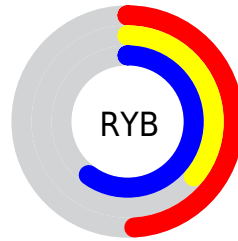
Distribution



Red (49%)

Green (36%)

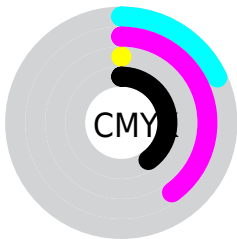
Blue (60%)



Red (49%)

Yellow (36%)

Blue (60%)

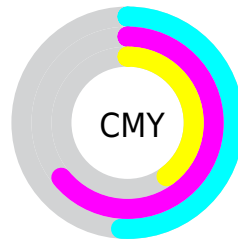


Cyan (18%)

Magenta (40%)

Yellow (0%)

Black (40%)



Cyan (51%)


Magenta (64%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.204, 312.320 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, 38.204, 312.320 by changing the saturation by 10% instead.


 45, 38.204,
312.320


 45, 38.204,
312.320


 100, 38.204,
312.320


 35, 38.204,
312.320

 65, 38.204,
312.320


 25, 38.204,
312.320

 75, 38.204,
312.320

 15, 38.204,
312.320

 85, 38.204,
312.320

 5, 38.204, 312.320

 95, 38.204,
312.320

 0, 38.204, 312.320

 45, 38.204,

 45, 38.204,

312.320

312.320

41, 48.058,
312.800

50, 28.319,
311.826

36, 57.639,
313.224

54, 18.557,
311.342

33, 66.567,
313.535

59, 8.999, 310.881

29, 74.316,
313.649

64, 0.312, 130.819

68, 9.356, 130.101

26, 80.276,
313.471

73, 18.130,
129.752

24, 84.527,
313.040

78, 26.638,
129.444

24, 84.678,
313.029

83, 34.890,
129.173

87, 42.896,

Harmonies

Complementary

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



45, 38.204, 312.320



60, 36.338, 128.690

Rectangle

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



45, 38.204, 312.320



45, 38.204, 2.320



45, 38.204, 132.320



45, 38.204, 182.320

Sweetspot

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



45, 38.203, 312.320



73, 13.842, 310.998



50, 20.851, 265.612



38, 9.172, 311.051



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, 38.203, 312.320



53, 57.282, 312.766



48, 40.753, 327.465



30, 5.244, 310.861



22, 79.104, 313.119



1, 5.592, 310.171

Inverse Universe

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



47, 29.348, 349.941



56, 43.569, 351.257



58, 40.824, 142.401



30, 4.073, 346.645



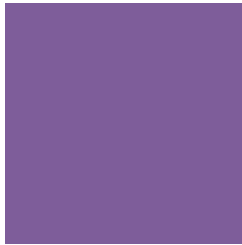
29, 54.141, 4.785



1, 4.328, 346.353

Previews

White Background



This preview shows how the CIELCh color 45, 38.204, 312.320 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, 38.204, 312.320 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, 38.204, 312.320

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.204, 312.320.



This preview shows how white text looks on a background with the CIELCh color 45, 38.204, 312.320.

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, 38.204, 312.320

Protanopia

45, 35.339, 285.507

Deuteranopia

45, 27.110, 282.703



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 38.204, 312.320

Protanomaly
45, 35.209, 294.361

Deuteranomaly
45, 30.510, 295.553

Tritanomaly
45, 18.330, 320.168

Monochromacy



Original Color
45, 38.204, 312.320

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.975, 311.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.204, 312.320 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(126, 93, 154)` looks like.

```
.text, #text, p{  
    color:rgb(126, 93, 154)  
}
```

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(126, 93, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 93, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.204, 312.320 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(126, 93, 154) }
```

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

```
.border{ border-color:rgb(126, 93, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 93, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 93, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 93, 154);  
box-shadow:4px 4px 4px 4px rgb(126, 93,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.204, 312.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 93, 154) }
```

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

```
.background{ background-color: rgb(126, 93,  
154) }
```

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