

Converting Colors

CIELCh(45, 38.518, 338.616)

Have a look what the booklet for
CIELCh(45, 38.518, 338.616)
contains.

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Color

CIELCh(45, 38.450, 338.357)

Conversions

Conversions Part 1

Format	Color
Hex	995383
RGB	153, 83, 131
RGB Percent	60%, 33%, 51%
CMY	0.4008, 0.6753, 0.4871
CMYK	0.00, 0.46, 0.14, 0.40
HSL	319°, 30%, 46%
HSV	319°, 46%, 60%
XYZ	20.2584, 14.5417, 23.1407
YIQ	109.4020, 26.3120, 29.7680

Conversions

Conversions Part 2

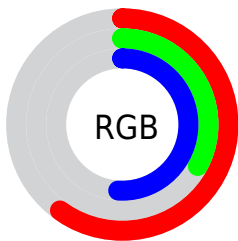
Format	Color
R_{YB}	153, 83, 131
Decimal	10048387
CIE _{Lab}	45.00, 35.74, -14.18
CIE _{LCh}	45, 38.450, 338.357
Yxy	14.5417, 0.3496, 0.2510
Android (android.graphics.Color)	4288238467 (0xFF995383)
YUV	109.4020, 10.6478, 38.2354
Hunter-Lab	38.1336, 28.0939, -9.2856

Details

The CIELCh color $45, 38.450, 338.357$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 37.991, 150.772$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.743, 338.437$, and $25, 38.468, 338.031$ is the 20% darker color. If you saturate the color by 10%, you get $42, 45.908, 339.311$, and if you desaturate by 10%, it is $49, 30.347, 337.489$.

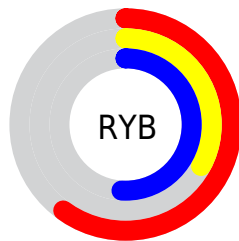
Distribution



Red (60%)

Green (33%)

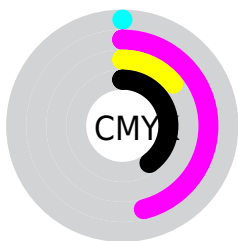
Blue (51%)



Red (60%)

Yellow (33%)

Blue (51%)

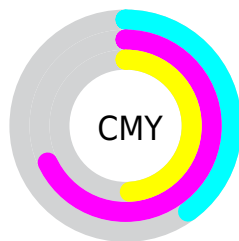


Cyan (0%)

Magenta (46%)

Yellow (14%)

Black (40%)



Cyan (40%)


Magenta (68%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.450, 338.357 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, 38.450, 338.357 by changing the saturation by 10% instead.


 45, 38.450,
338.357


 45, 38.450,
338.357


 100, 38.450,
338.357


 35, 38.450,
338.357

 65, 38.450,
338.357


 25, 38.450,
338.357

 75, 38.450,
338.357

 15, 38.450,
338.357

 85, 38.450,
338.357

 5, 38.450, 338.357

 95, 38.450,
338.357

 0, 38.450, 338.357

 45, 38.450,

 45, 38.450,

338.357

42, 45.908,
339.311

39, 52.354,
340.381

37, 57.389,
341.614

35, 60.685,
343.074

34, 62.167,
344.828

33, 62.598,
345.602

338.357

49, 30.347,
337.489

52, 21.912,
336.686

56, 13.368,
335.932


61, 4.872, 335.196

65, 3.478, 154.678

69, 11.624,
154.003

74, 19.539,
153.411

78, 27.210,
152.859

 82, 34.641,
152.341

Harmonies

Complementary

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



45, 38.450, 338.357



58, 37.991, 150.772

Rectangle

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



45, 38.450, 338.357



45, 38.450, 28.357



45, 38.450, 158.357



45, 38.450, 208.357

Sweetspot

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



45, 38.448, 338.358



73, 14.671, 335.820



40, 43.180, 305.114



37, 10.114, 335.966



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, 38.448, 338.358



54, 56.056, 339.341



44, 31.050, 9.098



30, 4.765, 335.452



31, 58.890, 345.429



1, 5.070, 335.341

Inverse Universe

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



45, 38.448, 338.358



54, 56.056, 339.341



58, 25.606, 178.882



30, 4.765, 335.452



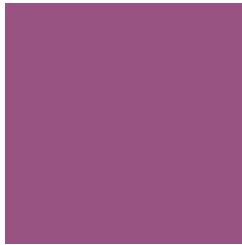
31, 58.890, 345.429



1, 5.070, 335.341

Previews

White Background



This preview shows how the CIELCh color 45, 38.450, 338.357 looks on a white background.

Color Contrast Check

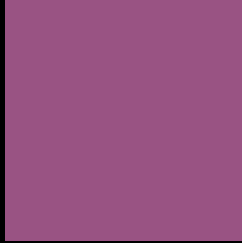
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.450, 338.357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

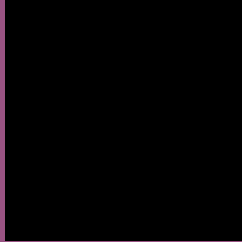
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 38.450, 338.357

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.450, 338.357.



This preview shows how white text looks on a background with the CIELCh color 45, 38.450, 338.357.

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, 38.450, 338.357

Protanopia

45, 24.576, 284.797

Deuteranopia

45, 13.859, 298.369



Tritanopia
45, 25.951, 14.145

Trichromacy



Original Color
45, 38.450, 338.357

Protanomaly
45, 26.652, 307.794

Deuteranomaly
45, 22.037, 322.134

Tritanomaly
45, 28.972, 357.491

Monochromacy



Original Color
45, 38.450, 338.357

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 15.035, 335.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.450, 338.357 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(153, 83, 131)` looks like.

```
.text, #text, p{  
    color:rgb(153, 83, 131)  
}
```

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(153, 83, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 83, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.450, 338.357 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(153, 83, 131) }
```

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

```
.border{ border-color:rgb(153, 83, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 83, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 83, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 83, 131);  
box-shadow:4px 4px 4px 4px rgb(153, 83,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.450, 338.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 83, 131) }
```

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

```
.background{ background-color: rgb(153, 83,  
131) }
```

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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