

Converting Colors

CIELCh(45, 37.412, 334.850)

Have a look what the booklet for
CIELCh(45, 37.412, 334.850)
contains.

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Color

CIELCh(45, 37.403, 334.639)

Conversions

Conversions Part 1

Format	Color
Hex	955586
RGB	149, 85, 134
RGB Percent	58%, 33%, 53%
CMY	0.4167, 0.6676, 0.4754
CMYK	0.00, 0.43, 0.10, 0.42
HSL	314°, 27%, 46%
HSV	314°, 43%, 58%
XYZ	19.8660, 14.5417, 24.2271
YIQ	109.7220, 22.4150, 28.8070

Conversions

Conversions Part 2

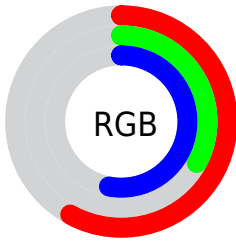
Format	Color
R_{YB}	149, 85, 134
Decimal	9786758
CIE _{Lab}	45.00, 33.80, -16.02
CIE _{LCh}	45, 37.403, 334.639
Yxy	14.5417, 0.3388, 0.2480
Android (android.graphics.Color)	4287976838 (0xFF955586)
YUV	109.7220, 11.9691, 34.4468
Hunter-Lab	38.1336, 26.2571, -10.9747

Details

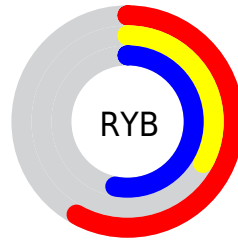
The CIELCh color $45, 37.403, 334.639$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $56, 37.233, 148.176$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 37.386, 334.621$, and $25, 37.590, 335.053$ is the 20% darker color. If you saturate the color by 10%, you get $42, 45.280, 335.402$, and if you desaturate by 10%, it is $49, 28.946, 333.915$.

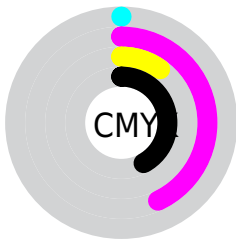
Distribution



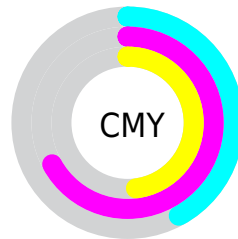
- Red (58%)
- Green (33%)
- Blue (53%)



- Red (58%)
- Yellow (33%)
- Blue (53%)



- Cyan (0%)
- Magenta (43%)
- Yellow (10%)
- Black (42%)





- Cyan (42%)
- Magenta (67%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.403, 334.639 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, 37.403, 334.639 by changing the saturation by 10% instead.


 45, 37.403,
334.639


 45, 37.403,
334.639


 100, 37.403,
334.639


 35, 37.403,
334.639

 65, 37.403,
334.639


 25, 37.403,
334.639

 75, 37.403,
334.639

 15, 37.403,
334.639


 85, 37.403,
334.639

 5, 37.403, 334.639

 95, 37.403,
334.639

 0, 37.403, 334.639

 45, 37.403,

 45, 37.403,

334.639

334.639

■ 42, 45.280,
335.402

■ 49, 28.946,
333.915

■ 39, 52.230,
336.214

■ 52, 20.201,
333.221

■ 37, 57.860,
337.096

■ 56, 11.376,
332.551

■ 35, 61.824,
338.081

■ 60, 2.615, 331.844

■ 34, 63.931,
339.212

■ 65, 5.990, 151.383

■ 33, 64.755,
340.063

■ 69, 14.387,
150.786

■ 73, 22.547,
150.236

■ 77, 30.463,
149.718

■ 82, 38.134,
149.231

Harmonies

Complementary

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



45, 37.403, 334.639



56, 37.233, 148.176

Rectangle

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



45, 37.403, 334.639



45, 37.403, 24.639



45, 37.403, 154.639



45, 37.403, 204.639

Sweetspot

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



45, 37.401, 334.639



72, 14.107, 332.568



40, 39.366, 302.796



37, 9.854, 332.702



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



45, 37.401, 334.639



54, 55.103, 335.406



44, 28.747, 3.573



29, 4.905, 332.297



30, 61.283, 339.960



1, 4.261, 331.753

Inverse Universe

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



45, 37.401, 334.639



54, 55.103, 335.406



57, 24.922, 174.011



29, 4.905, 332.297



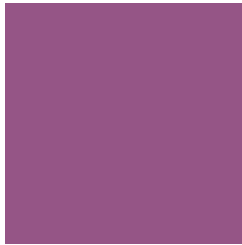
30, 61.283, 339.960



1, 4.261, 331.753

Previews

White Background



This preview shows how the CIELCh color 45, 37.403, 334.639 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, 37.403, 334.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

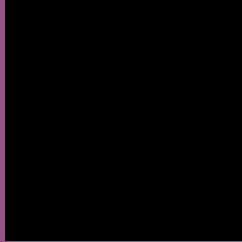
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 37.403, 334.639

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.403, 334.639.



This preview shows how white text looks on a background with the CIELCh color 45, 37.403, 334.639.

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, 37.403, 334.639

Protanopia

45, 26.364, 285.752

Deuteranopia

45, 14.936, 293.669



Tritanopia
45, 23.260, 12.609

Trichromacy



Original Color
45, 37.403, 334.639

Protanomaly
45, 27.647, 305.748

Deuteranomaly
45, 21.820, 317.627

Tritanomaly
45, 26.937, 353.368

Monochromacy



Original Color
45, 37.403, 334.639

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.200, 332.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.403, 334.639 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(149, 85, 134)` looks like.

```
.text, #text, p{  
    color:rgb(149, 85, 134)  
}
```

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(149, 85, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 85, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.403, 334.639 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(149, 85, 134) }
```

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

```
.border{ border-color:rgb(149, 85, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 85, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 85, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 85, 134);  
box-shadow:4px 4px 4px 4px rgb(149, 85,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.403, 334.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 85, 134) }
```

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

```
.background{ background-color: rgb(149, 85,  
134) }
```

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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