

Converting Colors

CIELCh(45, 37.996, 335.698)

Have a look what the booklet for
CIELCh(45, 37.996, 335.698)
contains.

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Color

CIELCh(45, 37.875, 335.684)

Conversions

Conversions Part 1

Format	Color
Hex	965485
RGB	150, 84, 133
RGB Percent	59%, 33%, 52%
CMY	0.4114, 0.6703, 0.4781
CMYK	0.00, 0.44, 0.11, 0.41
HSL	315°, 28%, 46%
HSV	315°, 44%, 59%
XYZ	20.0103, 14.5417, 23.9733
YIQ	109.3200, 23.6070, 29.2310

Conversions

Conversions Part 2

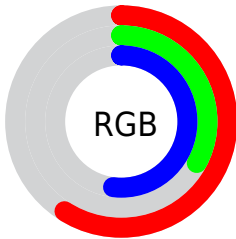
Format	Color
R_{YB}	150, 84, 133
Decimal	9852037
CIE _{Lab}	45.00, 34.52, -15.60
CIE _{LCh}	45, 37.875, 335.684
Yxy	14.5417, 0.3419, 0.2485
Android (android.graphics.Color)	4288042117 (0xFF965485)
YUV	109.3200, 11.6742, 35.6764
Hunter-Lab	38.1336, 26.9326, -10.5801

Details

The CIELCh color $45, 37.875, 335.684$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 37.640, 148.886$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 37.875, 335.565$, and $25, 37.761, 335.680$ is the 20% darker color. If you saturate the color by 10%, you get $42, 45.623, 336.497$, and if you desaturate by 10%, it is $49, 29.523, 334.922$.

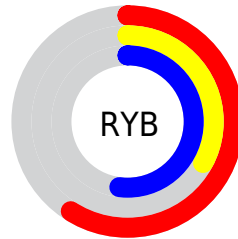
Distribution



Red (59%)

Green (33%)

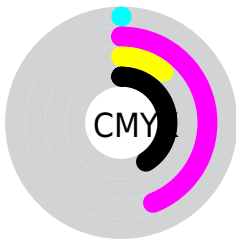
Blue (52%)



Red (59%)

Yellow (33%)

Blue (52%)

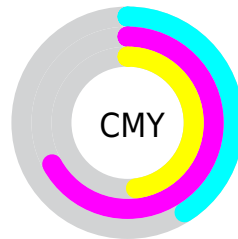


Cyan (0%)

Magenta (44%)

Yellow (11%)

Black (41%)



Cyan (41%)


Magenta (67%)

Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.875, 335.684 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, 37.875, 335.684 by changing the saturation by 10% instead.


 45, 37.875,
335.684


 45, 37.875,
335.684


 100, 37.875,
335.684


 35, 37.875,
335.684

 65, 37.875,
335.684


 25, 37.875,
335.684

 75, 37.875,
335.684

 15, 37.875,
335.684

 85, 37.875,
335.684

 5, 37.875, 335.684

 95, 37.875,
335.684

 0, 37.875, 335.684

 45, 37.875,

 45, 37.875,

335.684

42, 45.623,
336.497

39, 52.410,
337.377

37, 57.842,
338.352

35, 61.579,
339.462

34, 63.450,
340.760

33, 64.123,
341.595

335.684

49, 29.523,
334.922

52, 20.865,
334.198

56, 12.116,
333.506

60, 3.424, 332.801

65, 5.117, 152.313

69, 13.451,
151.696

73, 21.552,
151.134

78, 29.407,
150.606

■ 82, 37.020,
150.110

Harmonies

Complementary

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



45, 37.875, 335.684



57, 37.640, 148.886

Rectangle

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



45, 37.875, 335.684



45, 37.875, 25.684



45, 37.875, 155.684



45, 37.875, 205.684

Sweetspot

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



45, 37.873, 335.684



73, 14.024, 333.458



40, 40.643, 303.408



37, 9.902, 333.599



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, 37.873, 335.684



54, 55.750, 336.507



44, 29.529, 4.985



29, 4.824, 333.180



30, 60.301, 341.464



1, 4.190, 332.624

Inverse Universe

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



45, 37.873, 335.684



54, 55.750, 336.507



58, 25.279, 175.146



29, 4.824, 333.180



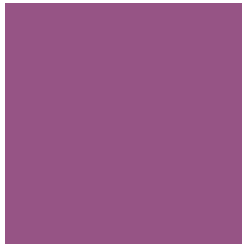
30, 60.301, 341.464



1, 4.190, 332.624

Previews

White Background



This preview shows how the CIELCh color 45, 37.875, 335.684 looks on a white background.

Color Contrast Check

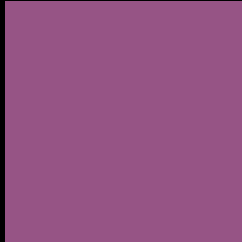
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.875, 335.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

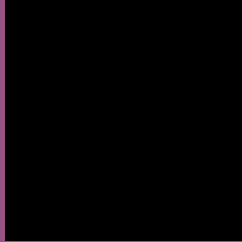
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 37.875, 335.684

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.875, 335.684.



This preview shows how white text looks on a background with the CIELCh color 45, 37.875, 335.684.

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, 37.875, 335.684

Protanopia

45, 26.364, 285.752

Deuteranopia

45, 14.341, 293.656



Tritanopia
45, 24.169, 13.158

Trichromacy



Original Color
45, 37.875, 335.684

Protanomaly
44, 28.335, 306.265

Deuteranomaly
45, 22.009, 318.582

Tritanomaly
45, 27.680, 354.431

Monochromacy



Original Color
45, 37.875, 335.684

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.464, 333.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.875, 335.684 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(150, 84, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 84, 133)  
}
```

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(150, 84, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 84, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.875, 335.684 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(150, 84, 133) }
```

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

```
.border{ border-color:rgb(150, 84, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 84, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 84, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 84, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 84,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.875, 335.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 84, 133) }
```

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

```
.background{ background-color: rgb(150, 84,  
133) }
```

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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