

Converting Colors

CIELCh(45, 37.538, 348.251)

Have a look what the booklet for
CIELCh(45, 37.538, 348.251)
contains.

CIELCh(45, 37.569, 348.290)	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, 37.569, 348.290)

Conversions

Conversions Part 1

Format	Color
Hex	9E5178
RGB	158, 81, 120
RGB Percent	62%, 32%, 47%
CMY	0.3799, 0.6819, 0.5290
CMYK	0.00, 0.49, 0.24, 0.38
HSL	330°, 32%, 47%
HSV	330°, 49%, 62%
XYZ	20.4723, 14.5417, 19.5329
YIQ	108.4690, 33.3730, 28.4530

Conversions

Conversions Part 2

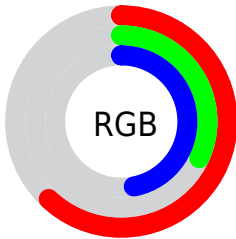
Format	Color
R_{YB}	158, 81, 120
Decimal	10375544
CIE _{Lab}	45.00, 36.79, -7.62
CIE _{LCh}	45, 37.569, 348.290
Yxy	14.5417, 0.3753, 0.2666
Android (android.graphics.Color)	4288565624 (0xFF9E5178)
YUV	108.4690, 5.6848, 43.4387
Hunter-Lab	38.1336, 29.0954, -3.6762

Details

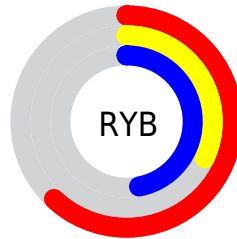
The CIELCh color $45, 37.569, 348.290$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $60, 35.703, 158.368$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 37.115, 348.463$, and $25, 37.656, 347.786$ is the 20% darker color. If you saturate the color by 10%, you get $42, 44.438, 349.822$, and if you desaturate by 10%, it is $49, 30.081, 346.995$.

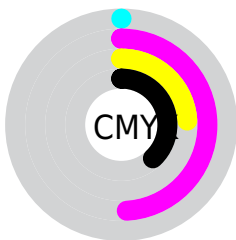
Distribution



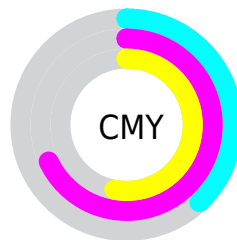
- Red (62%)
- Green (32%)
- Blue (47%)



- Red (62%)
- Yellow (32%)
- Blue (47%)



- Cyan (0%)
- Magenta (49%)
- Yellow (24%)
- Black (38%)





- Cyan (38%)
- Magenta (68%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 37.569, 348.290 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, 37.569, 348.290 by changing the saturation by 10% instead.


 45, 37.569,
348.290


 45, 37.569,
348.290


 100, 37.569,
348.290


 35, 37.569,
348.290

 65, 37.569,
348.290


 25, 37.569,
348.290

 75, 37.569,
348.290

 15, 37.569,
348.290

 85, 37.569,
348.290

 5, 37.569, 348.290

 95, 37.569,
348.290

 0, 37.569, 348.290

 45, 37.569,

 45, 37.569,

348.290

348.290

42, 44.438,
349.822

49, 30.081,
346.995

39, 50.320,
351.677

53, 22.292,
345.871

36, 54.834,
353.977

57, 14.429,
344.874

35, 57.722,
356.868

61, 6.643, 343.961

66, 0.972, 163.558

34, 59.229, 0.381

70, 8.364, 162.515

34, 59.424, 0.844

75, 15.510,
161.821

79, 22.406,
161.190

84, 29.058,

Harmonies

Complementary

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



45, 37.569, 348.290



60, 35.703, 158.368

Rectangle

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



45, 37.569, 348.290



45, 37.569, 38.290



45, 37.569, 168.290



45, 37.569, 218.290

Sweetspot

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



45, 37.567, 348.291



75, 14.339, 344.557



42, 47.958, 310.970



39, 9.880, 344.741



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, 37.567, 348.291



54, 54.521, 349.894



44, 34.870, 23.472



31, 4.319, 344.010



30, 55.201, 0.446



1, 5.490, 344.721

Inverse Universe

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



45, 37.567, 348.291



54, 54.521, 349.894



60, 24.939, 195.541



31, 4.319, 344.010



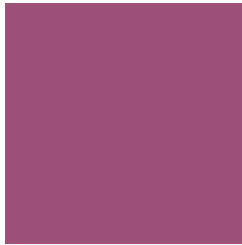
30, 55.201, 0.446



1, 5.490, 344.721

Previews

White Background



This preview shows how the CIELCh color 45, 37.569, 348.290 looks on a white background.

Color Contrast Check

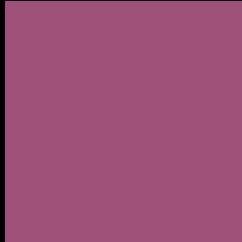
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.569, 348.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

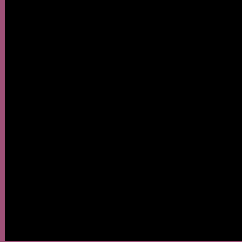
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 37.569, 348.290

Background



This preview shows how black text looks on a background with the CIELCh color 45, 37.569, 348.290.



This preview shows how white text looks on a background with the CIELCh color 45, 37.569, 348.290.

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, 37.569, 348.290

Protanopia

45, 18.579, 284.988

Deuteranopia

45, 8.059, 317.698



Tritanopia
45, 30.064, 17.230

Trichromacy



Original Color
45, 37.569, 348.290

Protanomaly
44, 22.238, 316.048

Deuteranomaly
45, 18.284, 338.859

Tritanomaly
45, 31.602, 5.034

Monochromacy



Original Color
45, 37.569, 348.290

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.195, 345.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 37.569, 348.290 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, 81, 120)` looks like.

```
.text, #text, p{  
    color:rgb(158, 81, 120)  
}
```

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, 81, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 81, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 37.569, 348.290 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, 81, 120) }
```

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

```
.border{ border-color:rgb(158, 81, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 81, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 81, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 81, 120);  
box-shadow:4px 4px 4px 4px rgb(158, 81,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 37.569, 348.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 81, 120) }
```

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

```
.background{ background-color: rgb(158, 81,  
120) }
```

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