

Converting Colors

CIELCh(45, 38.467, 348.225)

Have a look what the booklet for
CIELCh(45, 38.467, 348.225)
contains.

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Color

CIELCh(45, 38.708, 347.674)

Conversions

Conversions Part 1

Format	Color
Hex	9F5079
RGB	159, 80, 121
RGB Percent	62%, 31%, 47%
CMY	0.3757, 0.6855, 0.5248
CMYK	0.00, 0.50, 0.24, 0.38
HSL	329°, 33%, 47%
HSV	329°, 50%, 62%
XYZ	20.6838, 14.5417, 19.8663
YIQ	108.2950, 33.9230, 29.4990

Conversions

Conversions Part 2

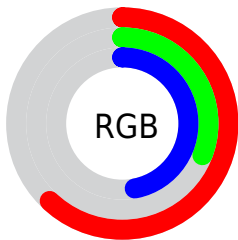
Format	Color
R_{YB}	159, 80, 121
Decimal	10440825
CIE _{Lab}	45.00, 37.82, -8.26
CIE _{LCh}	45, 38.708, 347.674
Yxy	14.5417, 0.3754, 0.2640
Android (android.graphics.Color)	4288630905 (0xFF9F5079)
YUV	108.2950, 6.2636, 44.4683
Hunter-Lab	38.1336, 30.0855, -4.1946

Details

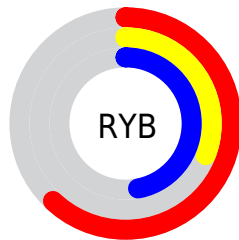
The CIELCh color $45, 38.708, 347.674$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $60, 36.915, 157.611$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.553, 348.204$, and $25, 38.384, 348.112$ is the 20% darker color. If you saturate the color by 10%, you get $42, 45.558, 349.191$, and if you desaturate by 10%, it is $49, 31.188, 346.390$.

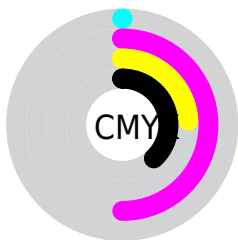
Distribution



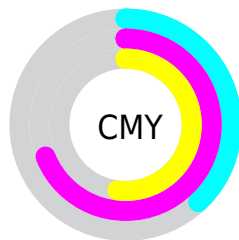
- Red (62%)
- Green (31%)
- Blue (47%)



- Red (62%)
- Yellow (31%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (24%)
- Black (38%)



- Cyan (38%)
- Magenta (69%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 38.708, 347.674 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, 38.708, 347.674 by changing the saturation by 10% instead.


 45, 38.708,
347.674


 45, 38.708,
347.674


 100, 38.708,
347.674

 35, 38.708,
347.674

 65, 38.708,
347.674


 25, 38.708,
347.674

 75, 38.708,
347.674

 15, 38.708,
347.674

 85, 38.708,
347.674

 5, 38.708, 347.674

 95, 38.708,
347.674

 0, 38.708, 347.674

 45, 38.708,

 45, 38.708,

347.674

347.674

■ 42, 45.558,
349.191

■ 49, 31.188,
346.390

■ 39, 51.360,
351.027

■ 53, 23.328,
345.274

■ 37, 55.734,
353.301

■ 57, 15.365,
344.284

■ 35, 58.434,
356.159

■ 61, 7.464, 343.378

■ 34, 59.825,
359.587

■ 66, 0.277, 163.840

■ 70, 7.800, 161.933

■ 34, 59.878,
359.714

■ 75, 15.079,
161.237

■ 79, 22.106,
160.605

■ 84, 28.888,

Harmonies

Complementary

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



45, 38.708, 347.674



60, 36.915, 157.611

Rectangle

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



45, 38.708, 347.674



45, 38.708, 37.674



45, 38.708, 167.674



45, 38.708, 217.674

Sweetspot

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



45, 38.706, 347.675



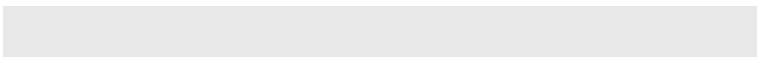
75, 14.457, 343.883



41, 49.105, 310.508



39, 9.961, 344.064



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, 38.706, 347.675



53, 56.425, 349.445



44, 35.651, 22.452



31, 4.355, 343.344



30, 55.355, 359.306



1, 5.535, 344.073

Inverse Universe

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



45, 38.706, 347.675



53, 56.425, 349.445



61, 25.602, 193.812



31, 4.355, 343.344



30, 55.355, 359.306



1, 5.535, 344.073

Previews

White Background



This preview shows how the CIELCh color 45, 38.708, 347.674 looks on a white background.

Color Contrast Check

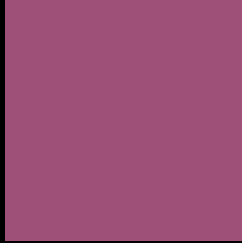
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.708, 347.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

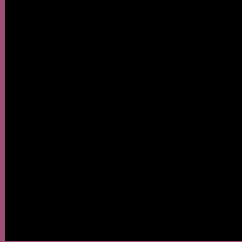
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 38.708, 347.674

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.708, 347.674.



This preview shows how white text looks on a background with the CIELCh color 45, 38.708, 347.674.

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, 38.708, 347.674

Protanopia

45, 19.789, 284.673

Deuteranopia

45, 8.593, 315.917



Tritanopia
45, 30.995, 17.611

Trichromacy



Original Color
45, 38.708, 347.674

Protanomaly
45, 23.317, 314.889

Deuteranomaly
45, 20.035, 336.746

Tritanomaly
45, 32.516, 4.722

Monochromacy



Original Color
45, 38.708, 347.674

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.873, 344.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.708, 347.674 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(159, 80, 121)` looks like.

```
.text, #text, p{  
    color:rgb(159, 80, 121)  
}
```

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(159, 80, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 80, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.708, 347.674 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(159, 80, 121) }
```

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

```
.border{ border-color:rgb(159, 80, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 80, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 80, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 80, 121);  
box-shadow:4px 4px 4px 4px rgb(159, 80,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.708, 347.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 80, 121) }
```

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

```
.background{ background-color: rgb(159, 80,  
121) }
```

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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