

Converting Colors

CIELCh(45, 38.671, 345.246)

Have a look what the booklet for
CIELCh(45, 38.671, 345.246)
contains.

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Color

CIELCh(45, 38.671, 345.246)

Conversions

Conversions Part 1

Format	Color
Hex	9E517C
RGB	158, 81, 124
RGB Percent	62%, 32%, 49%
CMY	0.3814, 0.6833, 0.5147
CMYK	0.00, 0.49, 0.22, 0.38
HSL	326°, 32%, 47%
HSV	326°, 49%, 62%
XYZ	20.5974, 14.5417, 20.7109
YIQ	108.9250, 32.0890, 29.6970

Conversions

Conversions Part 2

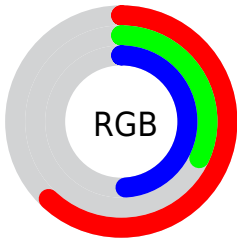
Format	Color
R_{YB}	158, 81, 124
Decimal	10375548
CIE Lab	45.00, 37.40, -9.85
CIE LCh	45, 38.671, 345.246
Yxy	14.5417, 0.3688, 0.2604
Android (android.graphics.Color)	4288565628 (0xFF9E517C)
YUV	108.9250, 7.4320, 43.0388
Hunter-Lab	38.1336, 29.6806, -5.5077

Details

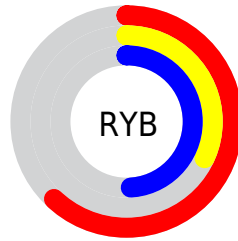
The CIELCh color $45, 38.671, 345.246$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $59, 37.303, 155.806$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.463, 344.903$, and $25, 38.498, 345.258$ is the 20% darker color. If you saturate the color by 10%, you get $42, 45.628, 346.610$, and if you desaturate by 10%, it is $49, 31.041, 344.075$.

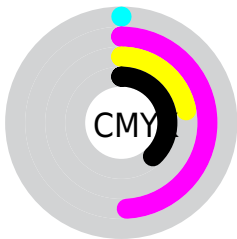
Distribution



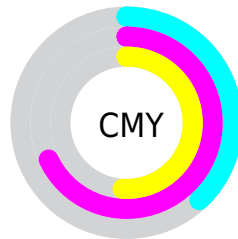
- Red (62%)
- Green (32%)
- Blue (49%)



- Red (62%)
- Yellow (32%)
- Blue (49%)



- Cyan (0%)
- Magenta (49%)
- Yellow (22%)
- Black (38%)





- Cyan (38%)
- Magenta (68%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.671, 345.246 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, 38.671, 345.246 by changing the saturation by 10% instead.

 45, 38.671,
345.246


 45, 38.671,
345.246


 100, 38.671,
345.246

 35, 38.671,
345.246

 65, 38.671,
345.246

 25, 38.671,
345.246

 75, 38.671,
345.246

 15, 38.671,
345.246

 85, 38.671,
345.246

 5, 38.671, 345.246

 95, 38.671,
345.246

 0, 38.671, 345.246

 45, 38.671,

 45, 38.671,

345.246

42, 45.628,
346.610

39, 51.532,
348.237

37, 55.995,
350.228

35, 58.743,
352.710

34, 60.019,
355.715

34, 60.166,
356.083

345.246

49, 31.041,
344.075

53, 23.065,
343.043

57, 14.980,
342.115

61, 6.947, 341.256

66, 0.931, 160.886

70, 8.599, 159.873

75, 16.028,
159.203

79, 23.211,
158.591

84, 30.150,

Harmonies

Complementary

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



45, 38.671, 345.246



59, 37.303, 155.806

Rectangle

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



45, 38.671, 345.246



45, 38.671, 35.246



45, 38.671, 165.246



45, 38.671, 215.246

Sweetspot

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



45, 38.669, 345.247



74, 14.698, 341.808



41, 47.774, 309.431



38, 10.021, 341.977



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 38.669, 345.247



53, 56.242, 346.807



44, 34.434, 19.817



31, 4.476, 341.294



30, 56.015, 355.751



1, 5.683, 342.078

Inverse Universe

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



45, 38.669, 345.247



53, 56.242, 346.807



60, 25.477, 190.563



31, 4.476, 341.294



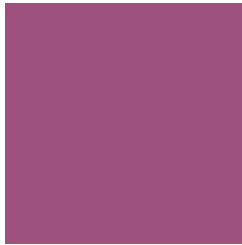
30, 56.015, 355.751



1, 5.683, 342.078

Previews

White Background



This preview shows how the CIELCh color 45, 38.671, 345.246 looks on a white background.

Color Contrast Check

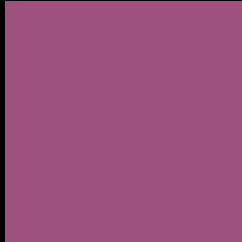
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.671, 345.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

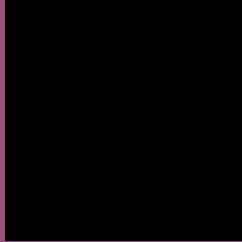
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 38.671, 345.246

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.671, 345.246.



This preview shows how white text looks on a background with the CIELCh color 45, 38.671, 345.246.

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, 38.671, 345.246

Protanopia

45, 20.998, 284.432

Deuteranopia

45, 9.988, 307.471



Tritanopia
45, 30.064, 17.230

Trichromacy



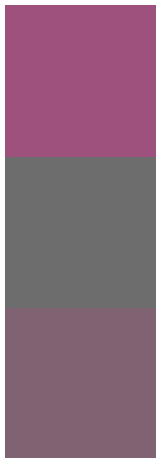
Original Color
45, 38.671, 345.246

Protanomaly
45, 24.285, 312.988

Deuteranomaly
45, 19.624, 332.743

Tritanomaly
45, 31.691, 3.988

Monochromacy



Original Color
45, 38.671, 345.246

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.524, 343.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.671, 345.246 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(158, 81, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 81, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.671, 345.246 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, 124) }
```

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

```
.border{ border-color:rgb(158, 81, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 81, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 81, 124); box-shadow:4px 4px 4px 4px rgb(158, 81, 124) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.671, 345.246 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, 124) }
```

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

```
.background{ background-color: rgb(158, 81,  
124) }
```

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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