

Converting Colors

CIELCh(45, 38.971, 5.118)

Have a look what the booklet for
CIELCh(45, 38.971, 5.118) contains.

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Color

CIELCh(45, 38.931, 5.173)

Conversions

Conversions Part 1

Format	Color
Hex	A64E66
RGB	166, 78, 102
RGB Percent	65%, 31%, 40%
CMY	0.3486, 0.6937, 0.5996
CMYK	0.00, 0.53, 0.39, 0.35
HSL	344°, 36%, 48%
HSV	344°, 53%, 65%
XYZ	20.8819, 14.5417, 14.3004
YIQ	107.0480, 44.7440, 26.1200

Conversions

Conversions Part 2

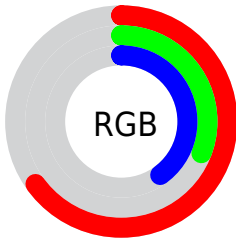
Format	Color
R_{YB}	166, 78, 102
Decimal	10899046
CIE _{Lab}	45.00, 38.77, 3.51
CIE _{LCh}	45, 38.931, 5.173
Yxy	14.5417, 0.4200, 0.2924
Android (android.graphics.Color)	4289089126 (0xFFA64E66)
YUV	107.0480, -2.4887, 51.7009
Hunter-Lab	38.1336, 31.0124, 4.4592

Details

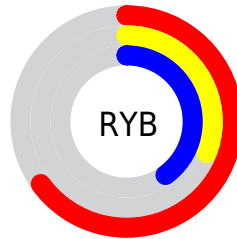
The CIELCh color **45, 38.931, 5.173** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **62, 32.719, 172.266**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 38.972, 5.238**, and **25, 38.918, 5.827** is the 20% darker color. If you saturate the color by 10%, you get **42, 45.936, 7.642**, and if you desaturate by 10%, it is **49, 31.489, 3.198**.

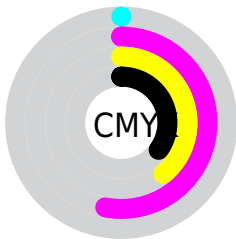
Distribution



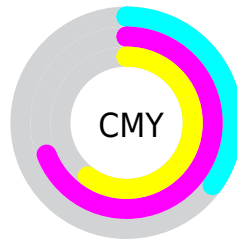
- Red (65%)
- Green (31%)
- Blue (40%)



- Red (65%)
- Yellow (31%)
- Blue (40%)



- Cyan (0%)
- Magenta (53%)
- Yellow (39%)
- Black (35%)























- Cyan (35%)
- Magenta (69%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 38.931, 5.173 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, 38.931, 5.173 by changing the saturation by 10% instead.

 45, 38.931, 5.173	 45, 38.931, 5.173
 100, 38.931, 5.173	 35, 38.931, 5.173
 65, 38.931, 5.173	 25, 38.931, 5.173
 75, 38.931, 5.173	 15, 38.931, 5.173
 85, 38.931, 5.173	 5, 38.931, 5.173
 95, 38.931, 5.173	 0, 38.931, 5.173

 45, 38.931, 5.173	 45, 38.931, 5.173
 42, 45.936, 7.642	 49, 31.489, 3.198
 39, 52.191, 10.754	 53, 23.905, 1.585
 37, 57.438, 14.667	 57, 16.387, 0.240

■ 35, 61.626, 19.458

■ 62, 9.074, 359.086

■ 35, 64.316, 23.040

■ 67, 2.041, 357.947

■ 72, 4.679, 177.389

■ 76, 11.080,
176.578

■ 81, 17.172,
175.884

■ 86, 22.977,
175.264

Harmonies

Complementary

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



45, 38.931, 5.173



62, 32.719, 172.266

Rectangle

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



45, 38.931, 5.173



45, 38.931, 55.173



45, 38.931, 185.173



45, 38.931, 235.173

Sweetspot

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



45, 38.929, 5.175



77, 13.984, 359.452



44, 55.537, 318.402



40, 9.555, 359.677



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 38.929, 5.175



53, 57.779, 8.267



49, 34.560, 41.401



33, 3.967, 358.690



31, 58.850, 22.436



1, 6.973, 0.643

Inverse Universe

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



45, 38.929, 5.175



53, 57.779, 8.267



57, 23.352, 225.726



33, 3.967, 358.690



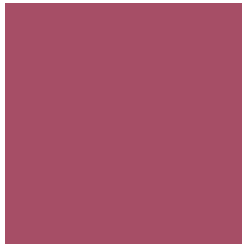
31, 58.850, 22.436



1, 6.973, 0.643

Previews

White Background



This preview shows how the CIELCh color 45, 38.931, 5.173 looks on a white background.

Color Contrast Check

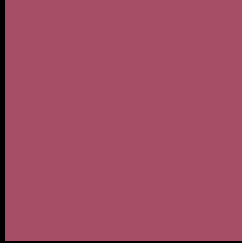
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.931, 5.173 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, 38.931, 5.173

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.931, 5.173.



This preview shows how white text looks on a background with the CIELCh color 45, 38.931, 5.173.

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, 38.931, 5.173

Protanopia

45, 7.162, 291.183

Deuteranopia

45, 8.320, 41.047



Tritanopia
45, 37.413, 19.947

Trichromacy



Original Color
45, 38.931, 5.173

Protanomaly
44, 16.235, 345.801

Deuteranomaly
45, 18.804, 13.033

Tritanomaly
45, 37.473, 14.832

Monochromacy



Original Color
45, 38.931, 5.173

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 14.491, 359.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 38.931, 5.173 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(166, 78, 102)` looks like.

```
.text, #text, p{  
    color:rgb(166, 78, 102)  
}
```

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(166, 78, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 78, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.931, 5.173 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(166, 78, 102) }
```

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

```
.border{ border-color:rgb(166, 78, 102) }
```

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

Here you see how a box with a 4 pixel rgb(166, 78, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 78, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 78, 102);  
box-shadow:4px 4px 4px 4px rgb(166, 78,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.931, 5.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 78, 102) }
```

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

```
.background{ background-color: rgb(166, 78,  
102) }
```

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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