

Converting Colors

CIELCh(45, 39.102, 348.048)

Have a look what the booklet for
CIELCh(45, 39.102, 348.048)
contains.

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Color

CIELCh(45, 38.997, 348.112)

Conversions

Conversions Part 1

Format	Color
Hex	A05079
RGB	160, 80, 121
RGB Percent	63%, 31%, 47%
CMY	0.3733, 0.6869, 0.5262
CMYK	0.00, 0.50, 0.24, 0.37
HSL	329°, 33%, 47%
HSV	329°, 50%, 63%
XYZ	20.7551, 14.5417, 19.7458
YIQ	108.5940, 34.5190, 29.7110

Conversions

Conversions Part 2

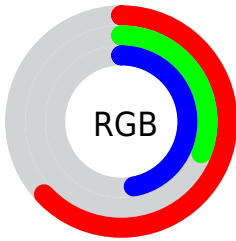
Format	Color
R_{YB}	160, 80, 121
Decimal	10506361
CIE Lab	45.00, 38.16, -8.03
CIE LCh	45, 38.997, 348.112
Yxy	14.5417, 0.3771, 0.2642
Android (android.graphics.Color)	4288696441 (0xFFA05079)
YUV	108.5940, 6.1162, 45.0831
Hunter-Lab	38.1336, 30.4189, -4.0073

Details

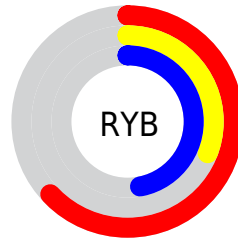
The CIELCh color $45, 38.997, 348.112$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $60, 37.111, 157.868$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 38.851, 348.586$, and $25, 39.094, 348.436$ is the 20% darker color. If you saturate the color by 10%, you get $42, 45.820, 349.663$, and if you desaturate by 10%, it is $49, 31.492, 346.803$.

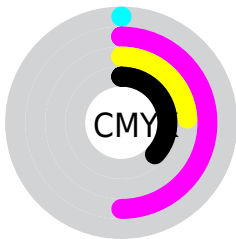
Distribution



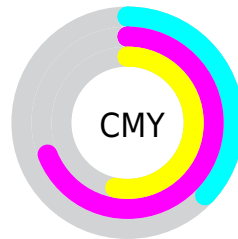
- Red (63%)
- Green (31%)
- Blue (47%)



- Red (63%)
- Yellow (31%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (24%)
- Black (37%)





- Cyan (37%)
- Magenta (69%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 38.997, 348.112 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, 38.997, 348.112 by changing the saturation by 10% instead.


 45, 38.997,
348.112


 45, 38.997,
348.112


 100, 38.997,
348.112


 35, 38.997,
348.112

 65, 38.997,
348.112


 25, 38.997,
348.112

 75, 38.997,
348.112

 15, 38.997,
348.112

 85, 38.997,
348.112

 5, 38.997, 348.112

 95, 38.997,
348.112

 0, 38.997, 348.112

 45, 38.997,

 45, 38.997,

348.112

348.112

42, 45.820,
349.663

49, 31.492,
346.803

39, 51.583,
351.545

53, 23.640,
345.669

37, 55.908,
353.882

57, 15.681,
344.665

35, 58.560,
356.822

61, 7.781, 343.750

34, 59.959, 0.309

66, 0.041, 334.760

70, 7.480, 162.291

75, 14.757,
161.588

80, 21.781,
160.951

84, 28.558,

Harmonies

Complementary

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



45, 38.997, 348.112



60, 37.111, 157.868

Rectangle

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



45, 38.997, 348.112



45, 38.997, 38.112



45, 38.997, 168.112



45, 38.997, 218.112

Sweetspot

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



45, 38.995, 348.113



75, 14.398, 344.221



41, 49.744, 311.044



39, 9.920, 344.404



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, 38.995, 348.113



53, 56.252, 349.847



44, 36.279, 23.749



31, 4.337, 343.678



30, 55.274, 359.879



1, 5.513, 344.398

Inverse Universe

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



45, 38.995, 348.113



53, 56.252, 349.847



61, 25.666, 195.483



31, 4.337, 343.678



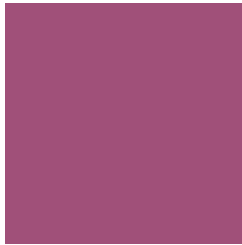
30, 55.274, 359.879



1, 5.513, 344.398

Previews

White Background



This preview shows how the CIELCh color 45, 38.997, 348.112 looks on a white background.

Color Contrast Check

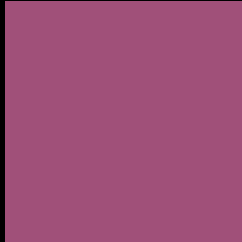
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.997, 348.112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

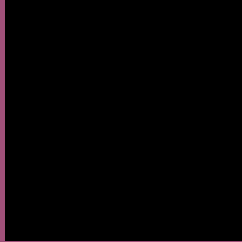
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 38.997, 348.112

Background



This preview shows how black text looks on a background with the CIELCh color 45, 38.997, 348.112.



This preview shows how white text looks on a background with the CIELCh color 45, 38.997, 348.112.

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, 38.997, 348.112

Protanopia
45, 19.165, 285.335

Deuteranopia
45, 8.593, 315.917



Tritanopia
45, 31.433, 17.773

Trichromacy



Original Color
45, 38.997, 348.112

Protanomaly
44, 23.628, 316.678

Deuteranomaly
45, 19.646, 338.015

Tritanomaly
45, 32.834, 6.064

Monochromacy



Original Color
45, 38.997, 348.112

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, 38.997, 348.112 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(160, 80, 121)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 80, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 80, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 38.997, 348.112 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(160, 80, 121) }
```

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

```
.border{ border-color:rgb(160, 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(160, 80, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 80, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 80, 121);  
box-shadow:4px 4px 4px 4px rgb(160, 80,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 38.997, 348.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 80, 121) }
```

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

```
.background{ background-color: rgb(160, 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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