

Converting Colors

CIELCh(68, 40.049, 41.384)

Have a look what the booklet for
CIELCh(68, 40.049, 41.384) contains.

CIELCh(68, 39.976, 41.377)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 39.976, 41.377)

Conversions

Conversions Part 1

Format	Color
Hex	E69078
RGB	230, 144, 120
RGB Percent	90%, 56%, 47%
CMY	0.0994, 0.4364, 0.5305
CMYK	0.00, 0.37, 0.48, 0.10
HSL	13°, 68%, 69%
HSV	13°, 48%, 90%
XYZ	45.8254, 37.9720, 22.5922
YIQ	166.9780, 58.9600, 10.7680

Conversions

Conversions Part 2

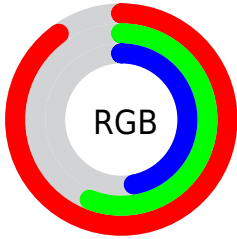
Format	Color
R _Y B	230, 151, 120
Decimal	15110264
CIE Lab	68.00, 30.00, 26.42
CIE LCh	68, 39.976, 41.377
Yxy	37.9720, 0.4307, 0.3569
Android (android.graphics.Color)	4293300344 (0xFFE69078)
YUV	166.9780, -23.1602, 55.2703
Hunter-Lab	61.6215, 24.9057, 21.3976

Details

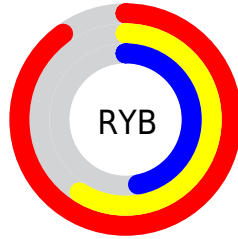
The CIELCh color **68, 39.976, 41.377** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78, 28.016, 225.353**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 26.713, 52.391**, and **48, 39.820, 41.954** is the 20% darker color. If you saturate the color by 10%, you get **64, 50.237, 41.837**, and if you desaturate by 10%, it is **73, 30.355, 41.135**.

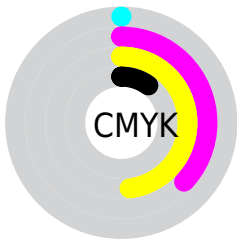
Distribution



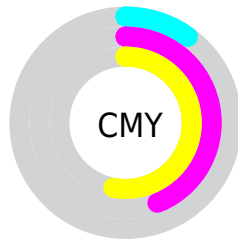
- Red (90%)
- Green (56%)
- Blue (47%)



- Red (90%)
- Yellow (59%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (48%)
- Black (10%)



- Cyan (10%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 39.976, 41.377 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 68, 39.976, 41.377 by changing the saturation by 10% instead.

68, 39.976, 41.377

68, 39.976, 41.377

100, 39.976,
41.377

58, 39.976, 41.377

88, 39.976, 41.377

48, 39.976, 41.377

98, 39.976, 41.377

38, 39.976, 41.377

28, 39.976, 41.377

18, 39.976, 41.377

8, 39.976, 41.377

0, 39.976, 41.377

68, 39.976, 41.377

68, 39.976, 41.377

64, 50.237, 41.837

73, 30.355, 41.135

60, 60.992, 42.498

77, 21.427, 41.068

56, 71.870, 43.278

82, 13.179, 41.140

53, 82.034, 43.881

87, 5.572, 41.283

51, 89.914, 43.726

92, 1.450, 222.093

51, 91.402, 43.731

97, 7.600, 212.943

98, 8.633, 198.936

Harmonies

Complementary

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



68, 39.976, 41.377



78, 28.016, 225.353

Rectangle

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



68, 39.976, 41.377



68, 39.976, 91.377



68, 39.976, 221.377



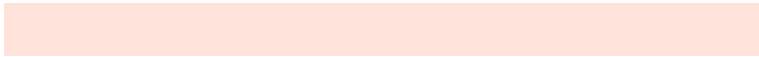
68, 39.976, 271.377

Sweetspot

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



68, 39.974, 41.381



92, 11.063, 41.193



65, 59.392, 334.393



48, 7.706, 41.161



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 39.974, 41.381



71, 53.752, 41.806



81, 43.341, 88.748



45, 4.043, 41.263



40, 75.270, 44.156



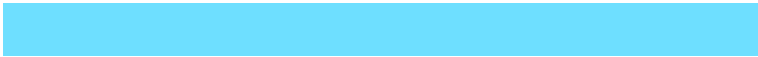
9, 23.383, 34.437

Inverse Universe

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



78, 28.016, 225.353



84, 34.534, 226.916



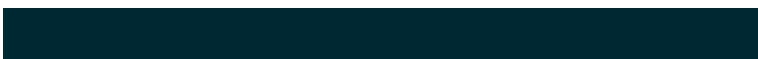
63, 44.465, 283.324



47, 3.815, 222.057



54, 33.982, 239.402



14, 14.021, 232.100

Previews

White Background



This preview shows how the CIELCh color 68, 39.976, 41.377 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 39.976, 41.377 looks on a black 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 ✓ Pass

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

CIELCh 68, 39.976, 41.377

Background



This preview shows how black text looks on a background with the CIELCh color 68, 39.976, 41.377.



This preview shows how white text looks on a background with the CIELCh color 68, 39.976, 41.377.

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

68, 39.976, 41.377

Protanopia

68, 20.192, 95.140

Deuteranopia

68, 28.757, 72.205



Tritanopia
68, 37.823, 14.474

Trichromacy



Original Color
68, 39.976, 41.377

Protanomaly
68, 24.046, 66.508

Deuteranomaly
68, 31.734, 57.545

Tritanomaly
68, 37.379, 24.802

Monochromacy



Original Color
68, 39.976, 41.377

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 13.423, 41.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 39.976, 41.377 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(230, 144, 120)` looks like.

```
.text, #text, p{  
    color:rgb(230, 144, 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(230, 144, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 144, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 39.976, 41.377 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(230, 144, 120) }
```

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

```
.border{ border-color:rgb(230, 144, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 144, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 144, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 144, 120);  
box-shadow:4px 4px 4px 4px rgb(230, 144,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 39.976, 41.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 144, 120) }
```

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

```
.background{ background-color: rgb(230,  
144, 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