

Converting Colors

CIELCh(40, 28.979, 338.467)

Have a look what the booklet for
CIELCh(40, 28.979, 338.467)
contains.

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Color

CIELCh(40, 28.750, 338.631)

Conversions

Conversions Part 1

Format	Color
Hex	814E70
RGB	129, 78, 112
RGB Percent	51%, 31%, 44%
CMY	0.4947, 0.6946, 0.5613
CMYK	0.00, 0.40, 0.13, 0.49
HSL	320°, 25%, 41%
HSV	320°, 40%, 51%
XYZ	14.6614, 11.2510, 16.6861
YIQ	97.1250, 19.4820, 21.3860

Conversions

Conversions Part 2

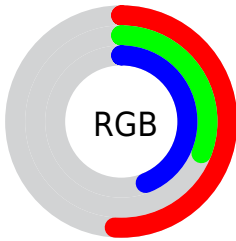
Format	Color
R_{YB}	129, 78, 112
Decimal	8474224
CIE _{Lab}	40.00, 26.77, -10.48
CIE _{LCh}	40, 28.750, 338.631
Yxy	11.2510, 0.3442, 0.2641
Android (android.graphics.Color)	4286664304 (0xFF814E70)
YUV	97.1250, 7.3334, 27.9544
Hunter-Lab	33.5425, 19.3230, -6.0148

Details

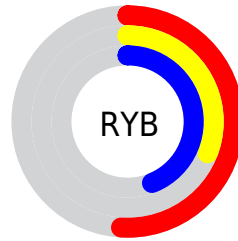
The CIELCh color $40, 28.750, 338.631$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $50, 28.317, 152.315$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 28.949, 338.461$, and $20, 28.808, 338.518$ is the 20% darker color. If you saturate the color by 10%, you get $37, 35.580, 339.547$, and if you desaturate by 10%, it is $43, 21.564, 337.793$.

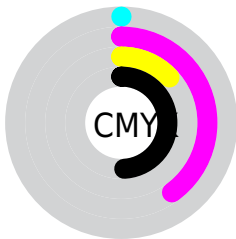
Distribution



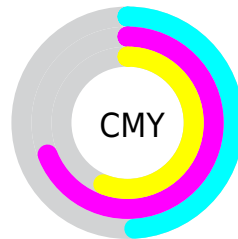
- Red (51%)
- Green (31%)
- Blue (44%)



- Red (51%)
- Yellow (31%)
- Blue (44%)



- Cyan (0%)
- Magenta (40%)
- Yellow (13%)
- Black (49%)




- Cyan (49%)
- Magenta (69%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 28.750, 338.631 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 40, 28.750, 338.631 by changing the saturation by 10% instead.

 40, 28.750,
338.631


 40, 28.750,
338.631


 100, 28.750,
338.631


 30, 28.750,
338.631

 60, 28.750,
338.631


 20, 28.750,
338.631

 70, 28.750,
338.631

 10, 28.750,
338.631

 80, 28.750,
338.631

 0, 28.750, 338.631

 90, 28.750,
338.631

 40, 28.750,

 40, 28.750,

338.631

338.631

37, 35.580,
339.547

43, 21.564,
337.793

34, 41.784,
340.566

47, 14.237,
337.015

32, 47.034,
341.727

50, 6.916, 336.275

30, 51.002,
343.083

54, 0.302, 156.473

58, 7.361, 155.038

29, 53.446,
344.710

62, 14.227,
154.426

28, 54.780,
346.566

65, 20.889,
153.860

28, 54.839,
346.645

69, 27.343,
153.331

73, 33.596,

Harmonies

Complementary

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



40, 28.750, 338.631



50, 28.317, 152.315

Rectangle

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



40, 28.750, 338.631



40, 28.750, 28.631



40, 28.750, 158.631



40, 28.750, 208.631

Sweetspot

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



40, 28.748, 338.632



63, 10.812, 336.474



37, 32.170, 305.053



32, 7.143, 336.549



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



40, 28.748, 338.632



49, 42.068, 339.408



39, 23.065, 9.125



25, 4.037, 336.240



27, 54.436, 346.620



0, 0.000, 0.000

Inverse Universe

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



40, 28.748, 338.632



49, 42.068, 339.408



50, 19.450, 180.979



25, 4.037, 336.240



27, 54.436, 346.620



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 40, 28.750, 338.631 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 40, 28.750, 338.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

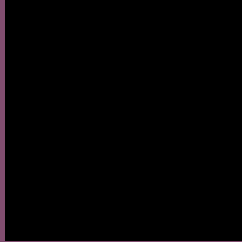
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 28.750, 338.631

Background



This preview shows how black text looks on a background with the CIELCh color 40, 28.750, 338.631.



This preview shows how white text looks on a background with the CIELCh color 40, 28.750, 338.631.

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

40, 28.750, 338.631

Protanopia

40, 17.763, 284.616

Deuteranopia

40, 10.601, 302.494



Tritanopia
40, 19.751, 10.223

Trichromacy



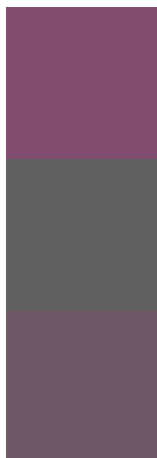
Original Color
40, 28.750, 338.631

Protanomaly
40, 19.775, 308.623

Deuteranomaly
40, 16.627, 324.292

Tritanomaly
40, 22.335, 355.798

Monochromacy



Original Color
40, 28.750, 338.631

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 10.772, 338.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 28.750, 338.631 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(129, 78, 112)` looks like.

```
.text, #text, p{  
    color:rgb(129, 78, 112)  
}
```

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(129, 78, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 78, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 28.750, 338.631 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(129, 78, 112) }
```

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

```
.border{ border-color:rgb(129, 78, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 78, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 78, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 78, 112);  
box-shadow:4px 4px 4px 4px rgb(129, 78,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 28.750, 338.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 78, 112) }
```

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

```
.background{ background-color: rgb(129, 78,  
112) }
```

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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