

Converting Colors

CIELCh(40, 29.867, 325.017)

Have a look what the booklet for
CIELCh(40, 29.867, 325.017)
contains.

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Color

CIELCh(40, 29.908, 325.530)

Conversions

Conversions Part 1

Format	Color
Hex	79507A
RGB	121, 80, 122
RGB Percent	47%, 31%, 48%
CMY	0.5248, 0.6856, 0.5208
CMYK	0.01, 0.34, 0.00, 0.52
HSL	299°, 21%, 40%
HSV	299°, 34%, 48%
XYZ	14.3169, 11.2510, 19.8891
YIQ	97.0470, 10.9540, 21.7540

Conversions

Conversions Part 2

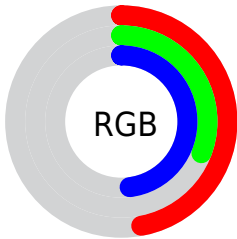
Format	Color
R_{YB}	121, 80, 122
Decimal	7950458
CIE _{Lab}	40.00, 24.66, -16.93
CIE _{LCh}	40, 29.908, 325.530
Yxy	11.2510, 0.3150, 0.2475
Android (android.graphics.Color)	4286140538 (0xFF79507A)
YUV	97.0470, 12.3018, 21.0068
Hunter-Lab	33.5425, 17.4899, -11.6765

Details

The CIELCh color $40, 29.908, 325.530$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $47, 29.881, 141.540$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 30.095, 325.189$, and $20, 29.662, 325.401$ is the 20% darker color. If you saturate the color by 10%, you get $37, 38.243, 325.992$, and if you desaturate by 10%, it is $43, 21.264, 325.038$.

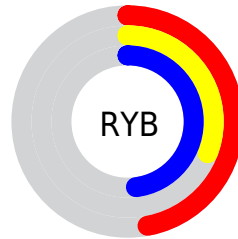
Distribution



Red (47%)

Green (31%)

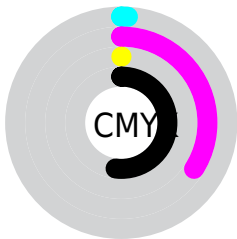
Blue (48%)



Red (47%)

Yellow (31%)

Blue (48%)

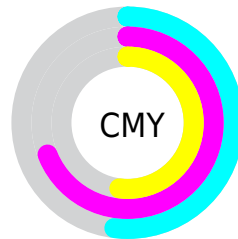


Cyan (1%)

Magenta (34%)

Yellow (0%)

Black (52%)



Cyan (52%)


Magenta (69%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 29.908, 325.530 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, 29.908, 325.530 by changing the saturation by 10% instead.


 40, 29.908,
325.530


 40, 29.908,
325.530


 100, 29.908,
325.530


 30, 29.908,
325.530

 60, 29.908,
325.530


 20, 29.908,
325.530

 70, 29.908,
325.530

 10, 29.908,
325.530

 80, 29.908,
325.530

 0, 29.908, 325.530

 90, 29.908,
325.530

 40, 29.908,

 40, 29.908,

325.530

37, 38.243,
325.992

34, 46.019,
326.407

32, 52.934,
326.759

30, 58.674,
327.030

29, 62.976,
327.209

28, 65.761,
327.294

28, 67.113,
327.329

325.530

43, 21.264,
325.038

46, 12.512,
324.527

50, 3.790, 323.986

53, 4.804, 143.567

57, 13.212,
143.055

60, 21.399,
142.580

64, 29.347,
142.130

68, 37.051,
141.706

■ 71, 44.515,
141.307

Harmonies

Complementary

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



40, 29.908, 325.530



47, 29.881, 141.540

Rectangle

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



40, 29.908, 325.530



40, 29.908, 15.530



40, 29.908, 145.530



40, 29.908, 195.530

Sweetspot

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



40, 29.906, 325.530



61, 10.721, 324.310



36, 25.211, 293.058



31, 7.279, 324.369



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



40, 29.906, 325.530



49, 43.755, 325.885



39, 22.004, 344.889



24, 4.894, 324.248



28, 68.201, 327.327



59, 114.814, 327.279

Inverse Universe

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



39, 18.997, 20.484



47, 28.651, 21.581



48, 21.277, 158.853



24, 2.851, 17.943



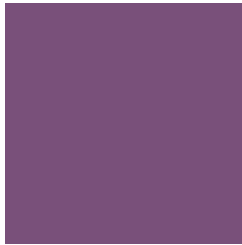
25, 59.392, 37.239



53, 102.848, 39.342

Previews

White Background



This preview shows how the CIELCh color 40, 29.908, 325.530 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 40, 29.908, 325.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

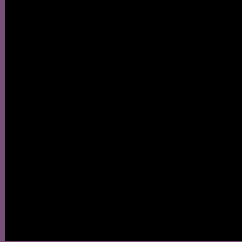
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 29.908, 325.530

Background



This preview shows how black text looks on a background with the CIELCh color 40, 29.908, 325.530.



This preview shows how white text looks on a background with the CIELCh color 40, 29.908, 325.530.

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, 29.908, 325.530

Protanopia
40, 23.883, 285.484

Deuteranopia
40, 16.459, 290.059



Tritanopia
40, 14.034, 3.999

Trichromacy



Original Color
40, 29.908, 325.530

Protanomaly
40, 24.752, 301.325

Deuteranomaly
40, 20.938, 307.768

Tritanomaly
40, 18.859, 342.359

Monochromacy



Original Color
40, 29.908, 325.530

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 11.033, 325.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 29.908, 325.530 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(121, 80, 122)` looks like.

```
.text, #text, p{  
    color:rgb(121, 80, 122)  
}
```

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(121, 80, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 80, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 29.908, 325.530 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(121, 80, 122) }
```

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

```
.border{ border-color:rgb(121, 80, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 80, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 80, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 80, 122);  
box-shadow:4px 4px 4px 4px rgb(121, 80,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 29.908, 325.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 80, 122) }
```

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

```
.background{ background-color: rgb(121, 80,  
122) }
```

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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