

Converting Colors

CIELCh(40, 29.492, 330.046)

Have a look what the booklet for
CIELCh(40, 29.492, 330.046)
contains.

CIELCh(40, 29.785, 329.658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 29.785, 329.658)

Conversions

Conversions Part 1

Format	Color
Hex	7C4F77
RGB	124, 79, 119
RGB Percent	49%, 31%, 47%
CMY	0.5130, 0.6895, 0.5326
CMYK	0.00, 0.36, 0.04, 0.51
HSL	307°, 22%, 40%
HSV	307°, 36%, 49%
XYZ	14.4869, 11.2510, 18.9164
YIQ	97.0150, 13.9800, 21.9800

Conversions

Conversions Part 2

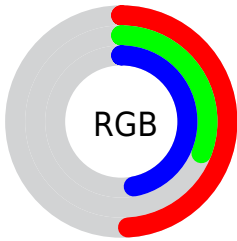
Format	Color
R_{YB}	124, 79, 119
Decimal	8146807
CIE _{Lab}	40.00, 25.71, -15.05
CIE _{LCh}	40, 29.785, 329.658
Yxy	11.2510, 0.3244, 0.2520
Android (android.graphics.Color)	4286336887 (0xFF7C4F77)
YUV	97.0150, 10.8386, 23.6658
Hunter-Lab	33.5425, 18.3942, -9.9571

Details

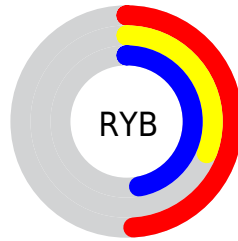
The CIELCh color $40, 29.785, 329.658$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $48, 29.771, 144.989$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 29.600, 329.631$, and $20, 29.319, 330.072$ is the 20% darker color. If you saturate the color by 10%, you get $37, 37.570, 330.226$, and if you desaturate by 10%, it is $43, 21.652, 329.084$.

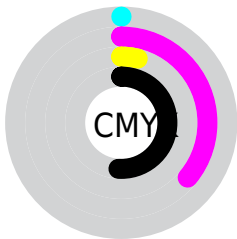
Distribution



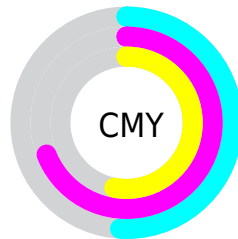
- Red (49%)
- Green (31%)
- Blue (47%)



- Red (49%)
- Yellow (31%)
- Blue (47%)



- Cyan (0%)
- Magenta (36%)
- Yellow (4%)
- Black (51%)





- Cyan (51%)
- Magenta (69%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 29.785, 329.658 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, 29.785, 329.658 by changing the saturation by 10% instead.

 40, 29.785,
329.658


 40, 29.785,
329.658

 100, 29.785,
329.658


 30, 29.785,
329.658

 60, 29.785,
329.658


 20, 29.785,
329.658

 70, 29.785,
329.658

 10, 29.785,
329.658

 80, 29.785,
329.658

 0, 29.785, 329.658

 90, 29.785,
329.658

 40, 29.785,

 40, 29.785,

329.658

■ 37, 37.570,
330.226

■ 34, 44.747,
330.781

■ 32, 51.004,
331.318

■ 30, 56.024,
331.838

■ 29, 59.552,
332.345

■ 28, 61.637,
332.848

■ 28, 62.346,
333.034

329.658

■ 43, 21.652,
329.084

■ 46, 13.381,
328.508

■ 50, 5.118, 327.922

■ 53, 3.039, 147.478

■ 57, 11.026,
146.899

■ 61, 18.807,
146.382

■ 64, 26.366,
145.892

■ 68, 33.698,
145.428

■ 72, 40.805,
144.989

Harmonies

Complementary

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



40, 29.785, 329.658



48, 29.771, 144.989

Rectangle

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



40, 29.785, 329.658



40, 29.785, 19.658



40, 29.785, 149.658



40, 29.785, 199.658

Sweetspot

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



40, 29.783, 329.658



61, 11.159, 328.220



36, 28.086, 297.768



32, 7.560, 328.283



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



40, 29.783, 329.658



49, 43.266, 330.100



39, 21.846, 353.139



24, 4.568, 328.090



28, 62.620, 333.037



58, 104.938, 333.328

Inverse Universe

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



40, 29.783, 329.658



49, 43.266, 330.100



48, 20.398, 165.941



24, 4.568, 328.090



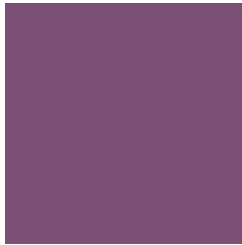
28, 62.620, 333.037



58, 104.938, 333.328

Previews

White Background



This preview shows how the CIELCh color 40, 29.785, 329.658 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, 29.785, 329.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

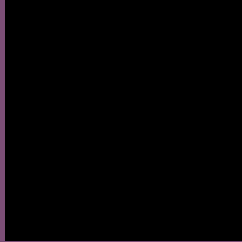
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 29.785, 329.658

Background



This preview shows how black text looks on a background with the CIELCh color 40, 29.785, 329.658.



This preview shows how white text looks on a background with the CIELCh color 40, 29.785, 329.658.

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, 29.785, 329.658

Protanopia

40, 22.654, 285.630

Deuteranopia

40, 14.633, 292.373



Tritanopia
40, 16.101, 8.893

Trichromacy



Original Color
40, 29.785, 329.658

Protanomaly
40, 23.662, 303.401

Deuteranomaly
40, 19.416, 311.336

Tritanomaly
40, 19.577, 348.759

Monochromacy



Original Color
40, 29.785, 329.658

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 10.787, 328.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 29.785, 329.658 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(124, 79, 119)` looks like.

```
.text, #text, p{  
    color:rgb(124, 79, 119)  
}
```

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(124, 79, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 79, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 29.785, 329.658 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(124, 79, 119) }
```

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

```
.border{ border-color:rgb(124, 79, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 79, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 79, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 79, 119);  
box-shadow:4px 4px 4px 4px rgb(124, 79,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 29.785, 329.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 79, 119) }
```

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

```
.background{ background-color: rgb(124, 79,  
119) }
```

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