

Converting Colors

CIELCh(40, 27.364, 331.139)

Have a look what the booklet for
CIELCh(40, 27.364, 331.139)
contains.

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Color

CIELCh(40, 27.538, 331.337)

Conversions

Conversions Part 1

Format	Color
Hex	7B5074
RGB	123, 80, 116
RGB Percent	48%, 31%, 45%
CMY	0.5169, 0.6856, 0.5444
CMYK	0.00, 0.35, 0.06, 0.52
HSL	310°, 21%, 40%
HSV	310°, 35%, 48%
XYZ	14.2374, 11.2510, 17.9973
YIQ	96.9610, 14.0720, 20.3120

Conversions

Conversions Part 2

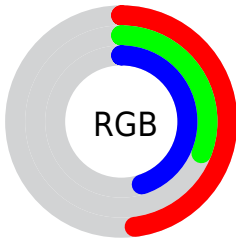
Format	Color
R_{YB}	123, 80, 116
Decimal	8081524
CIE _{Lab}	40.00, 24.16, -13.21
CIE _{LCh}	40, 27.538, 331.337
Yxy	11.2510, 0.3274, 0.2587
Android (android.graphics.Color)	4286271604 (0xFF7B5074)
YUV	96.9610, 9.3862, 22.8362
Hunter-Lab	33.5425, 17.0667, -8.3326

Details

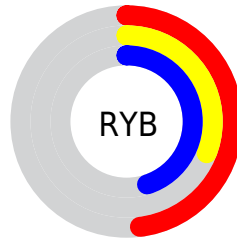
The CIELCh color $40, 27.538, 331.337$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $48, 27.472, 146.704$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 27.456, 331.232$, and $20, 27.492, 331.020$ is the 20% darker color. If you saturate the color by 10%, you get $37, 35.074, 331.962$, and if you desaturate by 10%, it is $43, 19.704, 330.721$.

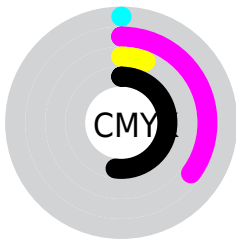
Distribution



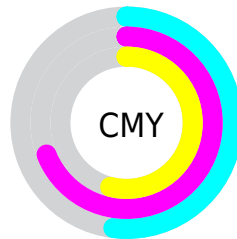
- Red (48%)
- Green (31%)
- Blue (45%)



- Red (48%)
- Yellow (31%)
- Blue (45%)



- Cyan (0%)
- Magenta (35%)
- Yellow (6%)
- Black (52%)





- Cyan (52%)
- Magenta (69%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.538, 331.337 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, 27.538, 331.337 by changing the saturation by 10% instead.


 40, 27.538,
331.337


 40, 27.538,
331.337


 100, 27.538,
331.337


 30, 27.538,
331.337

 60, 27.538,
331.337


 20, 27.538,
331.337

 70, 27.538,
331.337

 10, 27.538,
331.337

 80, 27.538,
331.337

 0, 27.538, 331.337

 90, 27.538,
331.337

 40, 27.538,

 40, 27.538,

331.337

37, 35.074,
331.962

34, 42.066,
332.593

32, 48.211,
333.232

30, 53.190,
333.887

29, 56.728,
334.570

28, 58.763,
335.298

27, 59.638,
335.669

331.337

43, 19.704,
330.721

47, 11.765,
330.114

50, 3.856, 329.493

53, 3.937, 149.036

57, 11.559,
148.458

61, 18.980,
147.932

64, 26.186,
147.434

68, 33.176,
146.964

■ 72, 39.954,
146.519

Harmonies

Complementary

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



40, 27.538, 331.337



48, 27.472, 146.704

Rectangle

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



40, 27.538, 331.337



40, 27.538, 21.337



40, 27.538, 151.337



40, 27.538, 201.337

Sweetspot

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



40, 27.536, 331.337



62, 9.778, 329.830



36, 26.855, 299.209



32, 6.727, 329.901



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, 27.536, 331.337



49, 40.859, 331.843



39, 20.418, 356.289



24, 4.405, 329.758



28, 60.242, 335.681



58, 100.755, 336.157

Inverse Universe

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



40, 27.536, 331.337



49, 40.859, 331.843



48, 18.816, 169.236



24, 4.405, 329.758



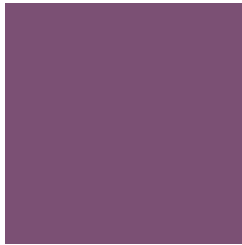
28, 60.242, 335.681



58, 100.755, 336.157

Previews

White Background



This preview shows how the CIELCh color 40, 27.538, 331.337 looks on a white background.

Color Contrast Check

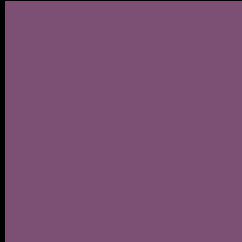
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.538, 331.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

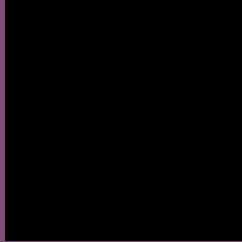
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 27.538, 331.337

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.538, 331.337.



This preview shows how white text looks on a background with the CIELCh color 40, 27.538, 331.337.

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, 27.538, 331.337

Protanopia

40, 20.192, 286.110

Deuteranopia

40, 13.475, 295.473



Tritanopia
40, 15.668, 8.449

Trichromacy



Original Color
40, 27.538, 331.337

Protanomaly
40, 21.359, 305.383

Deuteranomaly
40, 17.854, 314.417

Tritanomaly
40, 18.947, 349.549

Monochromacy



Original Color
40, 27.538, 331.337

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 10.324, 330.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 27.538, 331.337 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(123, 80, 116)` looks like.

```
.text, #text, p{  
    color:rgb(123, 80, 116)  
}
```

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(123, 80, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 80, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 27.538, 331.337 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(123, 80, 116) }
```

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

```
.border{ border-color:rgb(123, 80, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 80, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 80, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 80, 116);  
box-shadow:4px 4px 4px 4px rgb(123, 80,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.538, 331.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 80, 116) }
```

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

```
.background{ background-color: rgb(123, 80,  
116) }
```

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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