

Converting Colors

CIELCh(40, 37.580, 331.114)

Have a look what the booklet for
CIELCh(40, 37.580, 331.114)
contains.

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Color

CIELCh(40, 37.813, 331.529)

Conversions

Conversions Part 1

Format	Color
Hex	85497C
RGB	133, 73, 124
RGB Percent	52%, 29%, 49%
CMY	0.4777, 0.7130, 0.5130
CMYK	0.00, 0.45, 0.07, 0.48
HSL	309°, 29%, 40%
HSV	309°, 45%, 52%
XYZ	15.7478, 11.2510, 20.4725
YIQ	96.7540, 19.3890, 28.5810

Conversions

Conversions Part 2

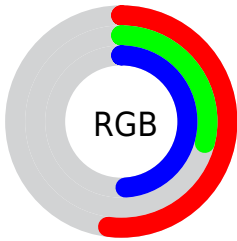
Format	Color
RYB	133, 73, 124
Decimal	8735100
CIELab	40.00, 33.24, -18.03
CIELCh	40, 37.813, 331.529
Yxy	11.2510, 0.3317, 0.2370
Android (android.graphics.Color)	4286925180 (0xFF85497C)
YUV	96.7540, 13.4323, 31.7877
Hunter-Lab	33.5425, 25.1045, -12.7076

Details

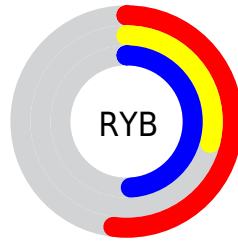
The CIELCh color $40, 37.813, 331.529$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $51, 37.853, 145.247$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 38.121, 331.138$, and $20, 37.741, 331.743$ is the 20% darker color. If you saturate the color by 10%, you get $37, 45.288, 332.146$, and if you desaturate by 10%, it is $43, 29.728, 330.915$.

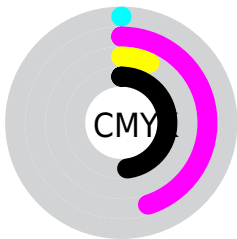
Distribution



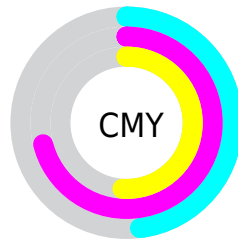
- Red (52%)
- Green (29%)
- Blue (49%)



- Red (52%)
- Yellow (29%)
- Blue (49%)



- Cyan (0%)
- Magenta (45%)
- Yellow (7%)
- Black (48%)





- Cyan (48%)
- Magenta (71%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 37.813, 331.529 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, 37.813, 331.529 by changing the saturation by 10% instead.


 40, 37.813,
331.529


 40, 37.813,
331.529


 100, 37.813,
331.529


 30, 37.813,
331.529

 60, 37.813,
331.529


 20, 37.813,
331.529

 70, 37.813,
331.529


 10, 37.813,
331.529

 80, 37.813,
331.529

 0, 37.813, 331.529

 90, 37.813,
331.529

 40, 37.813,

 40, 37.813,

331.529

■ 37, 45.288,
332.146

■ 35, 51.829,
332.764

■ 33, 57.090,
333.389

■ 31, 60.783,
334.033

■ 30, 62.832,
334.713

■ 30, 63.642,
335.051

331.529

■ 43, 29.728,
330.915

■ 47, 21.314,
330.305

■ 50, 12.777,
329.701

■ 54, 4.267, 329.084

■ 57, 4.120, 148.624

■ 61, 12.322,
148.046

■ 65, 20.307,
147.519

■ 69, 28.060,
147.021

■ 73, 35.578,
146.550

Harmonies

Complementary

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



40, 37.813, 331.529



51, 37.853, 145.247

Rectangle

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



40, 37.813, 331.529



40, 37.813, 21.529



40, 37.813, 151.529



40, 37.813, 201.529

Sweetspot

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



40, 37.811, 331.529



64, 14.733, 329.656



35, 37.669, 300.472



32, 10.136, 329.768



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



40, 37.811, 331.529



48, 55.077, 332.156



39, 28.221, 357.855



26, 4.753, 329.342



29, 62.568, 335.032



0, 1.132, 328.843

Inverse Universe

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



40, 37.811, 331.529



48, 55.077, 332.156



51, 25.379, 168.000



26, 4.753, 329.342



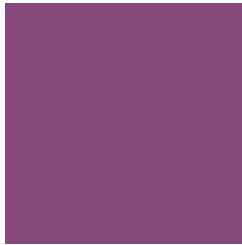
29, 62.568, 335.032



0, 1.132, 328.843

Previews

White Background



This preview shows how the CIELCh color 40, 37.813, 331.529 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, 37.813, 331.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

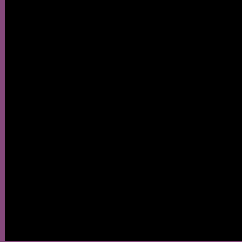
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 37.813, 331.529

Background



This preview shows how black text looks on a background with the CIELCh color 40, 37.813, 331.529.



This preview shows how white text looks on a background with the CIELCh color 40, 37.813, 331.529.

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, 37.813, 331.529

Protanopia
40, 28.778, 285.335

Deuteranopia
40, 17.077, 289.026



Tritanopia
40, 21.527, 13.191

Trichromacy



Original Color
40, 37.813, 331.529

Protanomaly
40, 29.799, 303.266

Deuteranomaly
40, 23.356, 312.270

Tritanomaly
40, 25.925, 351.544

Monochromacy



Original Color
40, 37.813, 331.529

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 14.669, 329.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 37.813, 331.529 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(133, 73, 124)` looks like.

```
.text, #text, p{  
    color:rgb(133, 73, 124)  
}
```

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(133, 73, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 73, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 37.813, 331.529 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(133, 73, 124) }
```

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

```
.border{ border-color:rgb(133, 73, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 73, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 73, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 73, 124);  
box-shadow:4px 4px 4px 4px rgb(133, 73,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 37.813, 331.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 73, 124) }
```

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

```
.background{ background-color: rgb(133, 73,  
124) }
```

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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