

Converting Colors

CIELCh(40, 22.506, 331.881)

Have a look what the booklet for
CIELCh(40, 22.506, 331.881)
contains.

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Color

CIELCh(40, 22.499, 331.304)

Conversions

Conversions Part 1

Format	Color
Hex	765370
RGB	118, 83, 112
RGB Percent	46%, 33%, 44%
CMY	0.5365, 0.6738, 0.5601
CMYK	0.00, 0.30, 0.05, 0.54
HSL	310°, 17%, 39%
HSV	310°, 30%, 46%
XYZ	13.5370, 11.2510, 16.8398
YIQ	96.7710, 11.5510, 16.4390

Conversions

Conversions Part 2

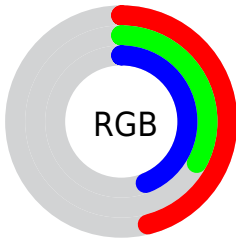
Format	Color
R_{YB}	118, 83, 112
Decimal	7754608
CIE _{Lab}	40.00, 19.74, -10.80
CIE _{LCh}	40, 22.499, 331.304
Yxy	11.2510, 0.3252, 0.2703
Android (android.graphics.Color)	4285944688 (0xFF765370)
YUV	96.7710, 7.5079, 18.6178
Hunter-Lab	33.5425, 13.3395, -6.2864

Details

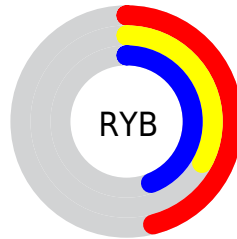
The CIELCh color $40, 22.499, 331.304$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $46, 22.426, 147.472$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 22.637, 331.341$, and $20, 22.590, 331.598$ is the 20% darker color. If you saturate the color by 10%, you get $37, 29.923, 331.930$, and if you desaturate by 10%, it is $43, 14.896, 330.689$.

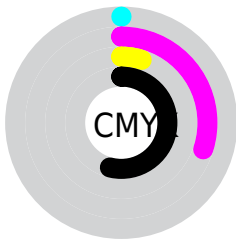
Distribution



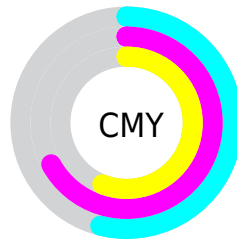
- Red (46%)
- Green (33%)
- Blue (44%)



- Red (46%)
- Yellow (33%)
- Blue (44%)



- Cyan (0%)
- Magenta (30%)
- Yellow (5%)
- Black (54%)




- Cyan (54%)
- Magenta (67%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 22.499, 331.304 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, 22.499, 331.304 by changing the saturation by 10% instead.


 40, 22.499,
331.304


 40, 22.499,
331.304


 100, 22.499,
331.304


 30, 22.499,
331.304

 60, 22.499,
331.304


 20, 22.499,
331.304

 70, 22.499,
331.304

 10, 22.499,
331.304

 80, 22.499,
331.304

 0, 22.499, 331.304

 90, 22.499,
331.304

 40, 22.499,

 40, 22.499,

331.304

37, 29.923,
331.930

34, 36.965,
332.567

32, 43.360,
333.214

30, 48.806,
333.876

28, 53.006,
334.565

27, 55.741,
335.300

26, 57.491,
336.068

26, 57.558,
336.096

331.304

43, 14.896,
330.689

46, 7.271, 330.080

50, 0.277, 150.272

53, 7.681, 149.005

57, 14.904,
148.462

60, 21.926,
147.951

64, 28.740,
147.468

67, 35.349,
147.011

71, 41.760,

Harmonies

Complementary

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



40, 22.499, 331.304



46, 22.426, 147.472

Rectangle

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



40, 22.499, 331.304



40, 22.499, 21.304



40, 22.499, 151.304



40, 22.499, 201.304

Sweetspot

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



40, 22.497, 331.304



59, 8.399, 330.056



37, 21.817, 299.179



30, 5.806, 330.128



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 22.497, 331.304



49, 33.664, 331.758



39, 16.535, 356.714



23, 4.225, 330.043



27, 58.995, 336.130



57, 99.326, 336.655

Inverse Universe

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



40, 22.497, 331.304



49, 33.664, 331.758



47, 15.366, 170.926



23, 4.225, 330.043



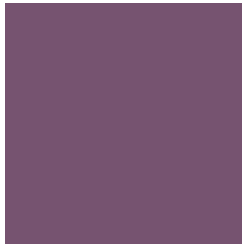
27, 58.995, 336.130



57, 99.326, 336.655

Previews

White Background



This preview shows how the CIELCh color 40, 22.499, 331.304 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, 22.499, 331.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

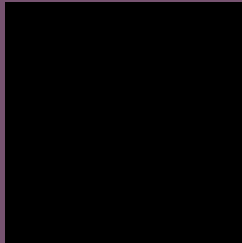
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 22.499, 331.304

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.499, 331.304.



This preview shows how white text looks on a background with the CIELCh color 40, 22.499, 331.304.

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, 22.499, 331.304

Protanopia

40, 15.328, 284.140

Deuteranopia

40, 11.134, 299.953



Tritanopia
40, 13.038, 5.219

Trichromacy



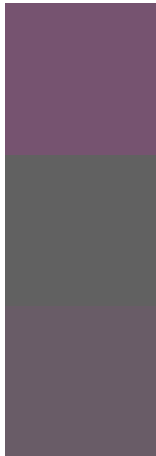
Original Color
40, 22.499, 331.304

Protanomaly
40, 16.917, 304.382

Deuteranomaly
40, 14.762, 315.943

Tritanomaly
40, 15.538, 348.739

Monochromacy



Original Color
40, 22.499, 331.304

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 8.607, 329.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.499, 331.304 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(118, 83, 112)` looks like.

```
.text, #text, p{  
    color:rgb(118, 83, 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(118, 83, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 83, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.499, 331.304 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(118, 83, 112) }
```

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

```
.border{ border-color:rgb(118, 83, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 83, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 83, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 83, 112);  
box-shadow:4px 4px 4px 4px rgb(118, 83,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.499, 331.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 83, 112) }
```

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

```
.background{ background-color: rgb(118, 83,  
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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