

Converting Colors

CIELCh(40, 15.956, 312.308)

Have a look what the booklet for
CIELCh(40, 15.956, 312.308)
contains.

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Color

CIELCh(40, 16.296, 312.057)

Conversions

Conversions Part 1

Format	Color
Hex	675972
RGB	103, 89, 114
RGB Percent	40%, 35%, 45%
CMY	0.5960, 0.6508, 0.5528
CMYK	0.10, 0.22, 0.00, 0.55
HSL	274°, 12%, 40%
HSV	274°, 22%, 45%
XYZ	12.2112, 11.2510, 17.4571
YIQ	96.0360, 0.3190, 10.7430

Conversions

Conversions Part 2

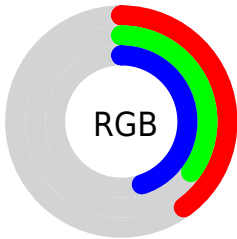
Format	Color
R_{YB}	103, 89, 114
Decimal	6773106
CIE _{Lab}	40.00, 10.92, -12.10
CIE _{LCh}	40, 16.296, 312.057
Yxy	11.2510, 0.2984, 0.2750
Android (android.graphics.Color)	4284963186 (0xFF675972)
YUV	96.0360, 8.8563, 6.1074
Hunter-Lab	33.5425, 6.2837, -7.3777

Details

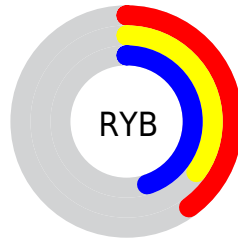
The CIELCh color $40, 16.296, 312.057$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $46, 15.900, 130.215$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 16.328, 311.680$, and $20, 16.659, 312.705$ is the 20% darker color. If you saturate the color by 10%, you get $36, 23.972, 312.518$, and if you desaturate by 10%, it is $44, 8.757, 311.612$.

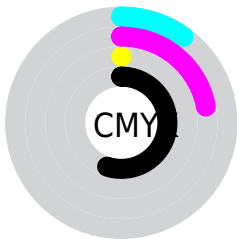
Distribution



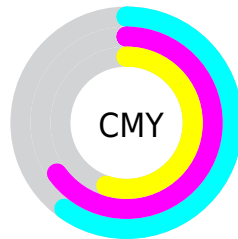
- Red (40%)
- Green (35%)
- Blue (45%)



- Red (40%)
- Yellow (35%)
- Blue (45%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (55%)





- Cyan (60%)
- Magenta (65%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 16.296, 312.057 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, 16.296, 312.057 by changing the saturation by 10% instead.


 40, 16.296,
312.057


 40, 16.296,
312.057


 100, 16.296,
312.057


 30, 16.296,
312.057

 60, 16.296,
312.057


 20, 16.296,
312.057

 70, 16.296,
312.057


 10, 16.296,
312.057

 80, 16.296,
312.057

 0, 16.296, 312.057

 90, 16.296,
312.057

 40, 16.296,

 40, 16.296,

312.057

■ 36, 23.972,
312.518

■ 33, 31.716,
312.983

■ 29, 39.407,
313.427

■ 26, 46.850,
313.813

■ 23, 53.754,
314.084

■ 21, 59.732,
314.168

■ 19, 64.349,
313.981

■ 17, 67.755,
313.828

312.057

■ 44, 8.757, 311.612

■ 47, 1.399, 311.147

■ 51, 5.762, 130.851

■ 55, 12.720,
130.500

■ 58, 19.474,
130.191

■ 62, 26.031,
129.916

■ 66, 32.398,
129.673

■ 69, 38.585,
129.459

■ 73, 44.600,

Harmonies

Complementary

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



40, 16.296, 312.057



46, 15.900, 130.215

Rectangle

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



40, 16.296, 312.057



40, 16.296, 2.057



40, 16.296, 132.057



40, 16.296, 182.057

Sweetspot

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



40, 16.295, 312.056



58, 6.327, 311.406



42, 9.233, 263.708



29, 4.086, 311.423



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



40, 16.295, 312.056



49, 24.039, 312.274



41, 17.583, 326.967



22, 4.061, 311.485



18, 70.240, 313.768



42, 120.581, 313.145

Inverse Universe

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



41, 12.452, 348.952



50, 18.354, 349.449



46, 17.566, 144.448



22, 3.103, 347.707



24, 48.310, 5.779



53, 82.565, 8.769

Previews

White Background



This preview shows how the CIELCh color 40, 16.296, 312.057 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, 16.296, 312.057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

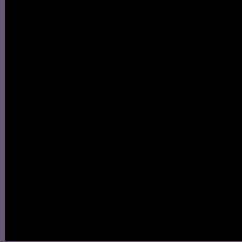
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 16.296, 312.057

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.296, 312.057.



This preview shows how white text looks on a background with the CIELCh color 40, 16.296, 312.057.

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

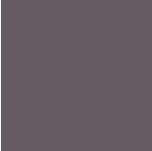
40, 16.296, 312.057

Protanopia

40, 14.681, 286.541

Deuteranopia

40, 12.867, 295.555



Tritanopia
40, 5.704, 331.811

Trichromacy



Original Color

40, 16.296, 312.057

Protanomaly

40, 14.690, 295.351

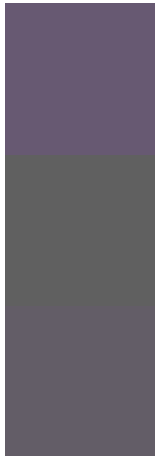
Deuteranomaly

40, 13.688, 301.997

Tritanomaly

40, 9.157, 320.697

Monochromacy



Original Color

40, 16.296, 312.057

Achromatopsia

41, 0.006, 296.813

Achromatomaly

40, 6.600, 312.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.296, 312.057 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(103, 89, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 89, 114)  
}
```

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(103, 89, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 89, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.296, 312.057 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(103, 89, 114) }
```

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

```
.border{ border-color:rgb(103, 89, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 89, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 89, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 89, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 89,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.296, 312.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 89, 114) }
```

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

```
.background{ background-color: rgb(103, 89,  
114) }
```

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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