

Converting Colors

CIELCh(40, 18.106, 312.238)

Have a look what the booklet for
CIELCh(40, 18.106, 312.238)
contains.

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Color

CIELCh(40, 18.281, 312.539)

Conversions

Conversions Part 1

Format	Color
Hex	685874
RGB	104, 88, 116
RGB Percent	41%, 35%, 45%
CMY	0.5911, 0.6538, 0.5440
CMYK	0.10, 0.24, 0.00, 0.54
HSL	274°, 14%, 40%
HSV	274°, 24%, 46%
XYZ	12.4220, 11.2510, 18.1260
YIQ	95.9760, 0.5480, 12.1000

Conversions

Conversions Part 2

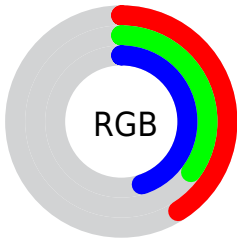
Format	Color
R_{YB}	104, 88, 116
Decimal	6838388
CIE _{Lab}	40.00, 12.36, -13.47
CIE _{LCh}	40, 18.281, 312.539
Yxy	11.2510, 0.2972, 0.2692
Android (android.graphics.Color)	4285028468 (0xFF685874)
YUV	95.9760, 9.8718, 7.0370
Hunter-Lab	33.5425, 7.4055, -8.5600

Details

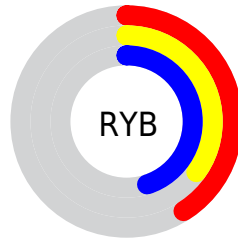
The CIELCh color **40, 18.281, 312.539** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47, 17.806, 130.506**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 18.180, 312.126**, and **20, 18.827, 313.239** is the 20% darker color. If you saturate the color by 10%, you get **36, 26.113, 312.997**, and if you desaturate by 10%, it is **44, 10.570, 312.094**.

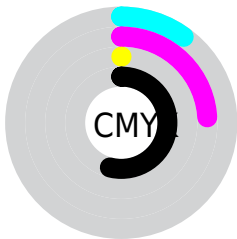
Distribution



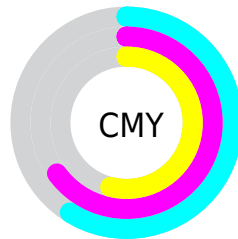
- Red (41%)
- Green (35%)
- Blue (45%)



- Red (41%)
- Yellow (35%)
- Blue (45%)



- Cyan (10%)
- Magenta (24%)
- Yellow (0%)
- Black (54%)





- Cyan (59%)
- Magenta (65%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 18.281, 312.539 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, 18.281, 312.539 by changing the saturation by 10% instead.


 40, 18.281,
312.539


 40, 18.281,
312.539


 100, 18.281,
312.539


 30, 18.281,
312.539

 60, 18.281,
312.539


 20, 18.281,
312.539

 70, 18.281,
312.539


 10, 18.281,
312.539

 80, 18.281,
312.539

 0, 18.281, 312.539

 90, 18.281,
312.539

 40, 18.281,

 40, 18.281,

312.539

■ 36, 26.113,
312.997

■ 33, 33.985,
313.452

■ 29, 41.753,
313.877

■ 26, 49.197,
314.229

■ 23, 55.995,
314.451

■ 21, 61.735,
314.466

■ 19, 66.069,
314.214

■ 18, 68.559,
314.099

312.539

■ 44, 10.570,
312.094

■ 47, 3.033, 311.656

■ 51, 4.309, 131.327

■ 55, 11.445,
130.964

■ 59, 18.374,
130.646

■ 62, 25.101,
130.363

■ 66, 31.632,
130.112

■ 70, 37.977,
129.891

■ 73, 44.145,
129.696

Harmonies

Complementary

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



40, 18.281, 312.539



47, 17.806, 130.506

Rectangle

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



40, 18.281, 312.539



40, 18.281, 2.539



40, 18.281, 132.539



40, 18.281, 182.539

Sweetspot

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



40, 18.280, 312.539



59, 6.432, 311.795



42, 10.490, 265.724



30, 4.214, 311.812



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, 18.280, 312.539



49, 27.330, 312.796



41, 19.414, 327.578



23, 4.227, 311.876



19, 71.155, 314.039



42, 121.223, 313.437

Inverse Universe

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



41, 13.841, 349.881



50, 20.675, 350.501



46, 19.394, 144.749



23, 3.198, 348.397



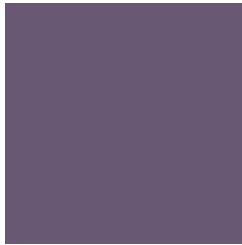
25, 49.040, 6.970



53, 83.304, 9.940

Previews

White Background



This preview shows how the CIELCh color 40, 18.281, 312.539 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, 18.281, 312.539 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, 18.281, 312.539

Background



This preview shows how black text looks on a background with the CIELCh color 40, 18.281, 312.539.



This preview shows how white text looks on a background with the CIELCh color 40, 18.281, 312.539.

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

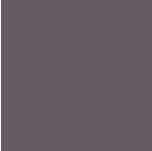
40, 18.281, 312.539

Protanopia

40, 16.521, 286.267

Deuteranopia

40, 14.062, 293.853



Tritanopia
40, 5.704, 331.811

Trichromacy



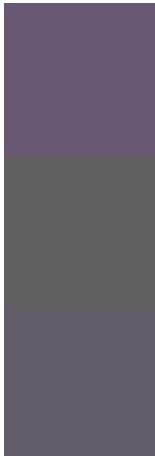
Original Color
40, 18.281, 312.539

Protanomaly
40, 17.174, 296.500

Deuteranomaly
40, 14.888, 301.296

Tritanomaly
40, 9.687, 318.918

Monochromacy



Original Color
40, 18.281, 312.539

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, 18.281, 312.539 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(104, 88, 116)` looks like.

```
.text, #text, p{  
    color:rgb(104, 88, 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(104, 88, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 88, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 18.281, 312.539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

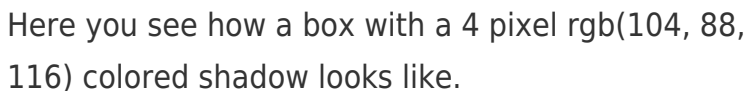
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 88, 116) }
```

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

```
.border{ border-color:rgb(104, 88, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(104, 88, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 88, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 88, 116); box-shadow:4px 4px 4px 4px rgb(104, 88, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 18.281, 312.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 88, 116) }
```

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

```
.background{ background-color: rgb(104, 88,  
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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