

Converting Colors

CIELCh(40, 16.943, 306.167)

Have a look what the booklet for
CIELCh(40, 16.943, 306.167)
contains.

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Color

CIELCh(40, 16.999, 305.668)

Conversions

Conversions Part 1

Format	Color
Hex	645A75
RGB	100, 90, 117
RGB Percent	39%, 35%, 46%
CMY	0.6087, 0.6479, 0.5421
CMYK	0.15, 0.23, 0.00, 0.54
HSL	262°, 13%, 41%
HSV	262°, 23%, 46%
XYZ	12.0659, 11.2510, 18.2948
YIQ	96.0680, -2.7070, 10.5170

Conversions

Conversions Part 2

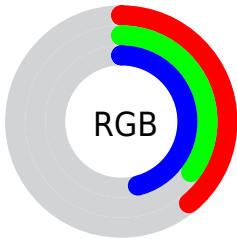
Format	Color
R_{YB}	100, 90, 117
Decimal	6576757
CIE _{Lab}	40.00, 9.91, -13.81
CIE _{LCh}	40, 16.999, 305.668
Yxy	11.2510, 0.2900, 0.2704
Android (android.graphics.Color)	4284766837 (0xFF645A75)
YUV	96.0680, 10.3195, 3.4484
Hunter-Lab	33.5425, 5.5108, -8.8583

Details

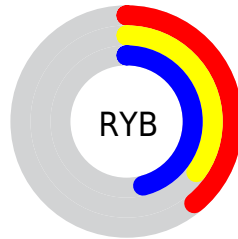
The CIELCh color $40, 16.999, 305.668$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $48, 16.353, 123.270$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 16.959, 305.663$, and $20, 17.497, 306.008$ is the 20% darker color. If you saturate the color by 10%, you get $36, 24.716, 306.309$, and if you desaturate by 10%, it is $44, 9.495, 305.082$.

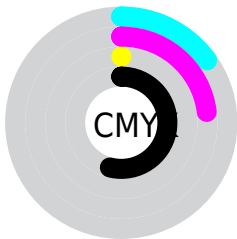
Distribution



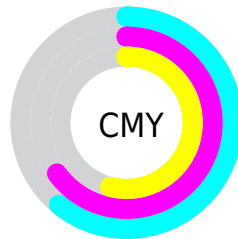
- Red (39%)
- Green (35%)
- Blue (46%)



- Red (39%)
- Yellow (35%)
- Blue (46%)



- Cyan (15%)
- Magenta (23%)
- Yellow (0%)
- Black (54%)




- Cyan (61%)
- Magenta (65%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 16.999, 305.668 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, 16.999, 305.668 by changing the saturation by 10% instead.

 40, 16.999,
305.668


 40, 16.999,
305.668

 100, 16.999,
305.668


 30, 16.999,
305.668

 60, 16.999,
305.668

 20, 16.999,
305.668


 70, 16.999,
305.668


 10, 16.999,
305.668

 80, 16.999,
305.668

 0, 16.999, 305.668

 90, 16.999,
305.668

 40, 16.999,

 40, 16.999,

305.668

■ 36, 24.716,
306.309

■ 32, 32.609,
306.999

■ 28, 40.589,
307.716

■ 25, 48.491,
308.420

■ 21, 56.028,
309.042

■ 18, 62.745,
309.479

■ 16, 68.083,
309.613

■ 14, 71.642,
309.780

305.668

■ 44, 9.495, 305.082

■ 48, 2.222, 304.543

■ 52, 4.818, 124.113

■ 56, 11.633,
123.700

■ 60, 18.230,
123.343

■ 64, 24.621,
123.032

■ 67, 30.816,
122.763

■ 71, 36.828,
122.530

■ 75, 42.667,

Harmonies

Complementary

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



40, 16.999, 305.668



48, 16.353, 123.270

Rectangle

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



40, 16.999, 305.668



40, 16.999, 355.668



40, 16.999, 125.668



40, 16.999, 175.668

Sweetspot

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



40, 16.998, 305.667



60, 6.268, 304.761



44, 8.636, 242.405



30, 4.051, 304.782



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, 16.998, 305.667



49, 25.913, 306.021



41, 18.841, 321.791



22, 4.065, 304.860



15, 74.142, 309.728



36, 126.533, 309.168

Inverse Universe

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



41, 15.141, 338.949



52, 22.919, 339.410



47, 18.716, 139.575



23, 3.666, 337.862



26, 51.835, 349.335



55, 86.988, 350.964

Previews

White Background



This preview shows how the CIELCh color 40, 16.999, 305.668 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, 16.999, 305.668 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, 16.999, 305.668

Background



This preview shows how black text looks on a background with the CIELCh color 40, 16.999, 305.668.



This preview shows how white text looks on a background with the CIELCh color 40, 16.999, 305.668.

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, 16.999, 305.668

Protanopia

40, 15.918, 285.905

Deuteranopia

40, 14.660, 292.392



Tritanopia
40, 4.599, 311.780

Trichromacy



Original Color
40, 16.999, 305.668

Protanomaly
40, 15.877, 292.568

Deuteranomaly
40, 15.389, 298.162

Tritanomaly
40, 8.917, 307.143

Monochromacy



Original Color
40, 16.999, 305.668

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 6.230, 302.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 16.999, 305.668 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(100, 90, 117)` looks like.

```
.text, #text, p{  
    color:rgb(100, 90, 117)  
}
```

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(100, 90, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 90, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 16.999, 305.668 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(100, 90, 117) }
```

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

```
.border{ border-color:rgb(100, 90, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 90, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 90, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 90, 117);  
box-shadow:4px 4px 4px 4px rgb(100, 90,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 16.999, 305.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 90, 117) }
```

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

```
.background{ background-color: rgb(100, 90,  
117) }
```

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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