

Converting Colors

CIELCh(40, 15.813, 199.743)

Have a look what the booklet for
CIELCh(40, 15.813, 199.743)
contains.

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Color

CIELCh(40, 15.813, 199.743)

Conversions

Conversions Part 1

Format	Color
Hex	396566
RGB	57, 101, 102
RGB Percent	22%, 40%, 40%
CMY	0.7746, 0.6021, 0.5982
CMYK	0.44, 0.01, 0.00, 0.60
HSL	181°, 28%, 31%
HSV	181°, 44%, 40%
XYZ	8.8351, 11.2510, 14.3982
YIQ	87.9580, -26.5450, -9.0170

Conversions

Conversions Part 2

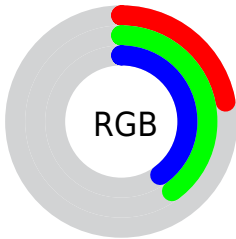
Format	Color
RYB	57, 79, 102
Decimal	3761510
CIELab	40.00, -14.88, -5.34
CIElCh	40, 15.813, 199.743
Yxy	11.2510, 0.2562, 0.3263
Android (android.graphics.Color)	4281951590 (0xFF396566)
YUV	87.9580, 6.9227, -27.1502
Hunter-Lab	33.5425, -11.6826, -1.9707




Details

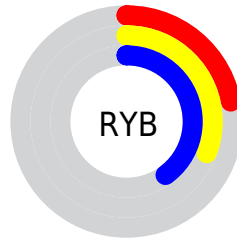
The CIELCh color **40, 15.813, 199.743** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 21.291, 25.004**, and the grayscale version is **38, 0.005, 296.813**.



A 20% lighter version of the original color is **60, 15.843, 200.049**, and **20, 15.807, 199.064** is the 20% darker color. If you saturate the color by 10%, you get **39, 18.485, 199.545**, and if you desaturate by 10%, it is **41, 12.732, 200.009**.

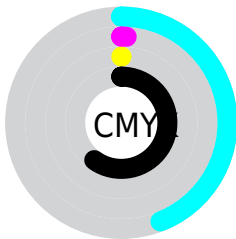
Distribution







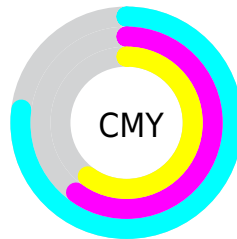
-  Red (22%)
-  Green (40%)
-  Blue (40%)






-  Red (22%)
-  Yellow (31%)
-  Blue (40%)



-  Cyan (44%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (60%)





-  Cyan (77%)
-  Magenta (60%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 15.813, 199.743 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, 15.813, 199.743 by changing the saturation by 10% instead.


 40, 15.813,
199.743


 40, 15.813,
199.743


 100, 15.813,
199.743


 30, 15.813,
199.743

 60, 15.813,
199.743


 20, 15.813,
199.743


 70, 15.813,
199.743


 10, 15.813,
199.743

 80, 15.813,
199.743

 0, 15.813, 199.743

 90, 15.813,
199.743

 40, 15.813,

 40, 15.813,

199.743

199.743

■ 39, 18.485,
199.545

■ 41, 12.732,
200.009

■ 39, 20.703,
199.431

■ 41, 9.298, 200.346

■ 39, 22.437,
199.404

■ 42, 5.569, 200.752

■ 43, 1.604, 201.329

■ 38, 23.677,
199.468

■ 44, 2.544, 21.446

■ 38, 24.475,
199.618

■ 45, 6.826, 22.021

■ 46, 11.201, 22.553

■ 38, 24.911,
199.714

■ 47, 15.634, 23.088

■ 49, 20.097, 23.628

Harmonies

Complementary

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



40, 15.813, 199.743



30, 21.291, 25.004

Rectangle

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



40, 15.813, 199.743



40, 15.813, 249.743



40, 15.813, 19.743



40, 15.813, 69.743

Sweetspot

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



40, 15.813, 199.740



54, 6.440, 200.777



39, 32.688, 141.715



27, 4.451, 200.703



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 15.813, 199.740



51, 22.390, 199.537



33, 16.211, 264.430



21, 2.267, 200.993



43, 26.980, 199.759



85, 46.708, 199.971

Inverse Universe

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



31, 32.490, 327.264



38, 47.564, 327.741



36, 18.011, 71.961



20, 4.166, 325.473



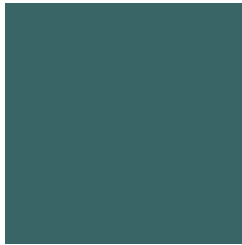
26, 63.044, 329.094



57, 109.220, 329.148

Previews

White Background



This preview shows how the CIELCh color 40, 15.813, 199.743 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, 15.813, 199.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

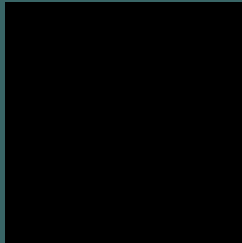
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 15.813, 199.743

Background



This preview shows how black text looks on a background with the CIELCh color 40, 15.813, 199.743.



This preview shows how white text looks on a background with the CIELCh color 40, 15.813, 199.743.

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, 15.813, 199.743

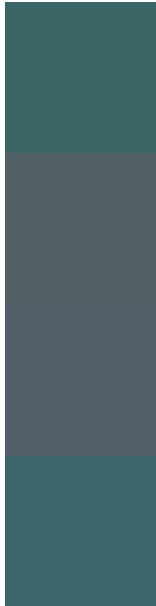
Protanopia
40, 3.090, 298.319

Deuteranopia
40, 9.052, 309.629



Tritanopia
40, 15.307, 216.503

Trichromacy



Original Color
40, 15.813, 199.743

Protanomaly
40, 6.351, 221.466

Deuteranomaly
40, 7.117, 249.810

Tritanomaly
40, 15.441, 211.503

Monochromacy



Original Color
40, 15.813, 199.743

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 6.449, 198.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 15.813, 199.743 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(57, 101, 102)` looks like.

```
.text, #text, p{  
    color:rgb(57, 101, 102)  
}
```

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(57, 101, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 101, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 15.813, 199.743 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(57, 101, 102) }
```

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

```
.border{ border-color:rgb(57, 101, 102) }
```

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

Here you see how a box with a 4 pixel rgb(57, 101, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 101, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 101, 102);  
box-shadow:4px 4px 4px 4px rgb(57, 101,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 15.813, 199.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 101, 102) }
```

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

```
.background{ background-color: rgb(57, 101,  
102) }
```

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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