

Converting Colors

CIELCh(40, 9.991, 216.030)

Have a look what the booklet for
CIELCh(40, 9.991, 216.030) contains.

CIELCh(40, 10.115, 212.296)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 10.115, 212.296)

Conversions

Conversions Part 1

Format	Color
Hex	496367
RGB	73, 99, 103
RGB Percent	29%, 39%, 40%
CMY	0.7148, 0.6128, 0.5972
CMYK	0.29, 0.04, 0.00, 0.60
HSL	188°, 17%, 34%
HSV	188°, 29%, 40%
XYZ	9.5971, 11.2510, 14.4248
YIQ	91.6820, -16.7800, -4.2680

Conversions

Conversions Part 2

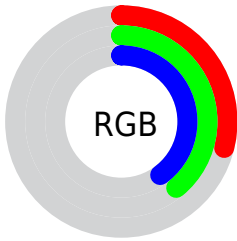
Format	Color
R_{YB}	73, 87, 103
Decimal	4809575
CIE _{Lab}	40.00, -8.55, -5.40
CIE _{LCh}	40, 10.115, 212.296
Yxy	11.2510, 0.2721, 0.3190
Android (android.graphics.Color)	4282999655 (0xFF496367)
YUV	91.6820, 5.5798, -16.3841
Hunter-Lab	33.5425, -7.6273, -2.0177

Details

The CIELCh color **40, 10.115, 212.296** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 12.263, 32.682**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 10.017, 211.660**, and **20, 10.034, 213.586** is the 20% darker color. If you saturate the color by 10%, you get **39, 13.069, 212.601**, and if you desaturate by 10%, it is **41, 6.868, 212.132**.

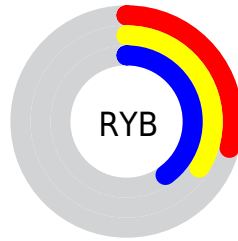
Distribution



Red (29%)

Green (39%)

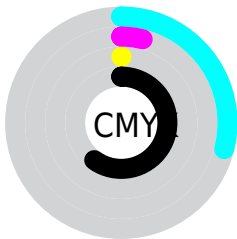
Blue (40%)



Red (29%)

Yellow (34%)

Blue (40%)

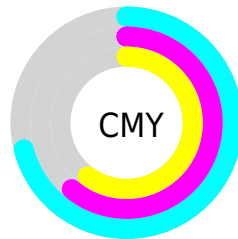


Cyan (29%)

Magenta (4%)

Yellow (0%)

Black (60%)



Cyan (71%)


Magenta (61%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 10.115, 212.296 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, 10.115, 212.296 by changing the saturation by 10% instead.


 40, 10.115,
212.296


 40, 10.115,
212.296


 100, 10.115,
212.296


 30, 10.115,
212.296


 60, 10.115,
212.296


 20, 10.115,
212.296

 70, 10.115,
212.296


 10, 10.115,
212.296

 80, 10.115,
212.296

 0, 10.115, 212.296

 90, 10.115,
212.296

 40, 10.115,

 40, 10.115,

212.296

■ 39, 13.069,
212.601

■ 38, 15.675,
213.090

■ 37, 17.886,
213.794

■ 36, 19.662,
214.756

■ 36, 20.981,
216.022

■ 35, 21.847,
217.639

■ 34, 22.472,
219.440

■ 34, 22.524,
219.580

212.296

■ 41, 6.868, 212.132

■ 42, 3.380, 212.123

■ 44, 0.301, 30.919

■ 45, 4.131, 32.072

■ 46, 8.072, 32.269

■ 48, 12.093, 32.482

■ 49, 16.169, 32.719

■ 51, 20.279, 32.976

■ 52, 24.405, 33.246

Harmonies

Complementary

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



40, 10.115, 212.296



35, 12.263, 32.682

Rectangle

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



40, 10.115, 212.296



40, 10.115, 262.296



40, 10.115, 32.296



40, 10.115, 82.296

Sweetspot

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



40, 10.115, 212.291



54, 4.078, 212.122



41, 20.491, 145.834



27, 2.804, 212.114



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, 10.115, 212.291



50, 14.582, 212.483



36, 12.160, 271.153



21, 2.052, 212.126



38, 24.344, 219.918



78, 42.086, 221.563

Inverse Universe

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



35, 20.291, 329.941



43, 29.915, 330.334



39, 12.458, 83.348



20, 3.858, 328.768



25, 57.995, 334.072



56, 99.972, 334.482

Previews

White Background



This preview shows how the CIE LCh color 40, 10.115, 212.296 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, 10.115, 212.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

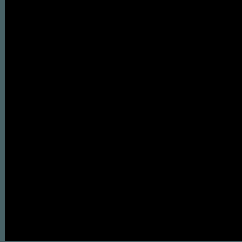
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

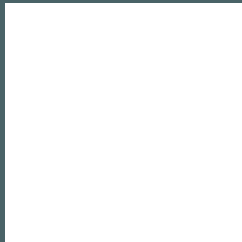
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 10.115, 212.296

Background



This preview shows how black text looks on a background with the CIELCh color 40, 10.115, 212.296.



This preview shows how white text looks on a background with the CIELCh color 40, 10.115, 212.296.

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, 10.115, 212.296

Protanopia

40, 3.695, 297.122

Deuteranopia

40, 8.477, 310.904



Tritanopia
40, 10.415, 226.520

Trichromacy



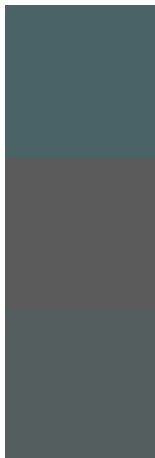
Original Color
40, 10.115, 212.296

Protanomaly
40, 4.668, 240.039

Deuteranomaly
40, 6.373, 272.974

Tritanomaly
40, 10.208, 223.262

Monochromacy



Original Color
40, 10.115, 212.296

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.106, 207.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 10.115, 212.296 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(73, 99, 103)` looks like.

```
.text, #text, p{  
    color:rgb(73, 99, 103)  
}
```

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(73, 99, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 99, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 10.115, 212.296 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(73, 99, 103) }
```

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

```
.border{ border-color:rgb(73, 99, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 99, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 99, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 99, 103);  
box-shadow:4px 4px 4px 4px rgb(73, 99,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 10.115, 212.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 99, 103) }
```

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

```
.background{ background-color: rgb(73, 99,  
103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor