

Converting Colors

CIELCh(40, 11.143, 229.491)

Have a look what the booklet for
CIELCh(40, 11.143, 229.491)
contains.

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Color

CIELCh(40, 11.199, 231.643)

Conversions

Conversions Part 1

Format	Color
Hex	48626C
RGB	72, 98, 108
RGB Percent	28%, 38%, 42%
CMY	0.7168, 0.6148, 0.5756
CMYK	0.33, 0.09, 0.00, 0.58
HSL	197°, 20%, 35%
HSV	197°, 33%, 42%
XYZ	9.7964, 11.2510, 15.9063
YIQ	91.3660, -18.7060, -2.4020

Conversions

Conversions Part 2

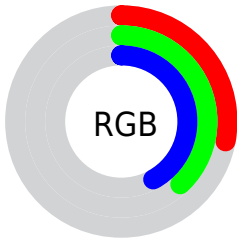
Format	Color
R_{YB}	72, 87, 108
Decimal	4743788
CIE _{Lab}	40.00, -6.95, -8.78
CIE _{LCh}	40, 11.199, 231.643
Yxy	11.2510, 0.2651, 0.3045
Android (android.graphics.Color)	4282933868 (0xFF48626C)
YUV	91.3660, 8.2006, -16.9840
Hunter-Lab	33.5425, -6.5667, -4.6365

Details

The CIELCh color $40, 11.199, 231.643$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 13.663, 47.309$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 11.026, 229.638$, and $20, 11.166, 231.487$ is the 20% darker color. If you saturate the color by 10%, you get $38, 14.088, 233.010$, and if you desaturate by 10%, it is $42, 8.058, 230.563$.

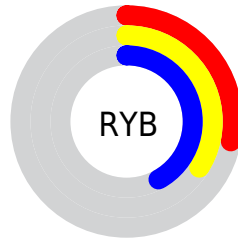
Distribution



Red (28%)

Green (38%)

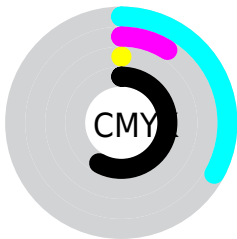
Blue (42%)



Red (28%)

Yellow (34%)

Blue (42%)

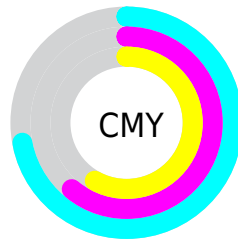


Cyan (33%)

Magenta (9%)

Yellow (0%)

Black (58%)



Cyan (72%)


Magenta (61%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 11.199, 231.643 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, 11.199, 231.643 by changing the saturation by 10% instead.


 40, 11.199,
231.643


 40, 11.199,
231.643


 100, 11.199,
231.643


 30, 11.199,
231.643

 60, 11.199,
231.643


 20, 11.199,
231.643


 70, 11.199,
231.643


 10, 11.199,
231.643

 80, 11.199,
231.643

 0, 11.199, 231.643

 90, 11.199,
231.643

 40, 11.199,

 40, 11.199,

231.643

■ 38, 14.088,
233.010

■ 37, 16.687,
234.739

■ 35, 18.965,
236.903

■ 34, 20.905,
239.577

■ 33, 22.518,
242.834

■ 32, 23.860,
246.679

■ 31, 24.769,
249.231

231.643

■ 42, 8.058, 230.563

■ 43, 4.707, 229.736

■ 45, 1.185, 229.275

■ 47, 2.472, 48.341

■ 49, 6.232, 48.015

■ 51, 10.069, 47.723

■ 53, 13.962, 47.492

■ 54, 17.892, 47.315

■ 56, 21.844, 47.183

Harmonies

Complementary

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



40, 11.199, 231.643



37, 13.663, 47.309

Rectangle

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



40, 11.199, 231.643



40, 11.199, 281.643



40, 11.199, 51.643



40, 11.199, 101.643

Sweetspot

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



40, 11.199, 231.639



56, 4.416, 229.538



42, 21.810, 150.459



29, 3.029, 229.605



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 11.199, 231.639



50, 16.235, 232.681



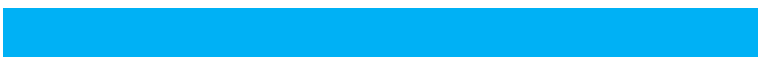
35, 17.429, 282.930



21, 1.994, 229.460



33, 26.308, 249.708



68, 46.252, 252.817

Inverse Universe

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



36, 21.824, 335.623



43, 32.305, 336.211



42, 16.954, 94.543



21, 3.628, 333.930



25, 53.155, 342.519



55, 90.509, 343.627

Previews

White Background



This preview shows how the CIE LCh color 40, 11.199, 231.643 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, 11.199, 231.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

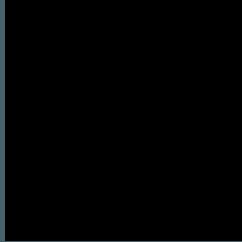
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

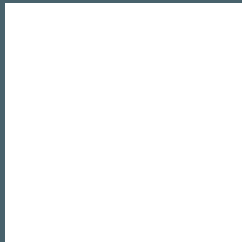
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 11.199, 231.643

Background



This preview shows how black text looks on a background with the CIELCh color 40, 11.199, 231.643.



This preview shows how white text looks on a background with the CIELCh color 40, 11.199, 231.643.

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, 11.199, 231.643

Protanopia

40, 7.332, 288.193

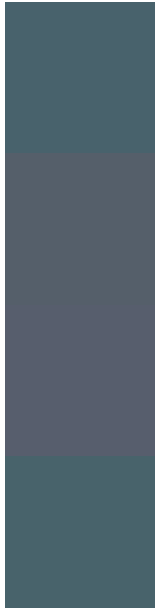
Deuteranopia

40, 11.134, 299.953



Tritanopia
40, 10.820, 221.666

Trichromacy



Original Color
40, 11.199, 231.643

Protanomaly
40, 7.661, 260.646

Deuteranomaly
40, 9.473, 274.997

Tritanomaly
40, 11.008, 224.780

Monochromacy



Original Color
40, 11.199, 231.643

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 4.328, 233.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 11.199, 231.643 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(72, 98, 108)` looks like.

```
.text, #text, p{  
    color:rgb(72, 98, 108)  
}
```

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(72, 98, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 98, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 11.199, 231.643 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(72, 98, 108) }
```

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

```
.border{ border-color:rgb(72, 98, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 98, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 98, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 98, 108);  
box-shadow:4px 4px 4px 4px rgb(72, 98,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 11.199, 231.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 98, 108) }
```

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

```
.background{ background-color: rgb(72, 98,  
108) }
```

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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