

Converting Colors

CIELCh(40, 12.018, 221.152)

Have a look what the booklet for
CIELCh(40, 12.018, 221.152)
contains.

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Color

CIELCh(40, 11.903, 222.566)

Conversions

Conversions Part 1

Format	Color
Hex	45636B
RGB	69, 99, 107
RGB Percent	27%, 39%, 42%
CMY	0.7294, 0.6117, 0.5804
CMYK	0.36, 0.07, 0.00, 0.58
HSL	193°, 22%, 35%
HSV	193°, 36%, 42%
XYZ	9.5704, 11.2510, 15.5778
YIQ	90.9420, -20.4480, -3.8720

Conversions

Conversions Part 2

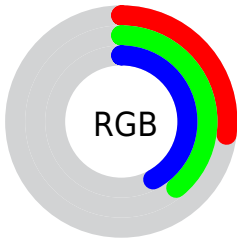
Format	Color
R_{YB}	69, 86, 107
Decimal	4547435
CIE _{Lab}	40.00, -8.77, -8.05
CIE _{LCh}	40, 11.903, 222.566
Yxy	11.2510, 0.2629, 0.3091
Android (android.graphics.Color)	4282737515 (0xFF45636B)
YUV	90.9420, 7.9166, -19.2431
Hunter-Lab	33.5425, -7.7695, -4.0558

Details

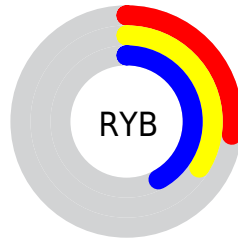
The CIELCh color **40, 11.903, 222.566** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 15.031, 40.313**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 11.799, 221.143**, and **20, 11.890, 225.213** is the 20% darker color. If you saturate the color by 10%, you get **39, 14.659, 223.541**, and if you desaturate by 10%, it is **41, 8.844, 221.832**.

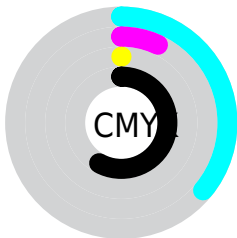
Distribution



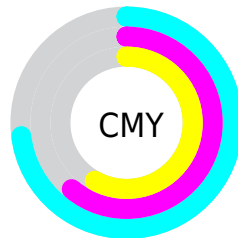
- Red (27%)
- Green (39%)
- Blue (42%)



- Red (27%)
- Yellow (34%)
- Blue (42%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)





- Cyan (73%)
- Magenta (61%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 11.903, 222.566 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, 11.903, 222.566 by changing the saturation by 10% instead.


 40, 11.903,
222.566


 40, 11.903,
222.566


 100, 11.903,
222.566


 30, 11.903,
222.566

 60, 11.903,
222.566


 20, 11.903,
222.566


 70, 11.903,
222.566


 10, 11.903,
222.566

 80, 11.903,
222.566

 0, 11.903, 222.566

 90, 11.903,
222.566

 40, 11.903,

 40, 11.903,

222.566

■ 39, 14.659,
223.541

■ 37, 17.067,
224.825

■ 36, 19.087,
226.478

■ 35, 20.698,
228.573

■ 34, 21.904,
231.182

■ 33, 22.791,
234.263

■ 33, 23.193,
235.617

222.566

■ 41, 8.844, 221.832

■ 43, 5.532, 221.310

■ 44, 2.014, 221.029

■ 46, 1.669, 40.387

■ 48, 5.478, 40.360

■ 49, 9.382, 40.291

■ 51, 13.354, 40.266

■ 53, 17.374, 40.281

■ 54, 21.423, 40.328

Harmonies

Complementary

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



40, 11.903, 222.566



36, 15.031, 40.313

Rectangle

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



40, 11.903, 222.566



40, 11.903, 272.566



40, 11.903, 42.566



40, 11.903, 92.566

Sweetspot

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



40, 11.903, 222.562



56, 4.950, 221.152



42, 24.221, 147.910



29, 3.344, 221.185



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, 11.903, 222.562



51, 17.389, 223.398



34, 17.011, 278.921



22, 2.038, 221.083



36, 24.784, 236.065



73, 42.954, 238.652

Inverse Universe

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



35, 24.144, 333.088



43, 36.225, 333.673



41, 16.900, 89.446



21, 3.807, 331.394



26, 55.664, 338.296



55, 94.949, 339.034

Previews

White Background



This preview shows how the CIE LCh color 40, 11.903, 222.566 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, 11.903, 222.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

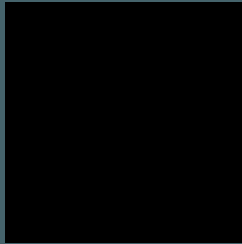
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 11.903, 222.566

Background



This preview shows how black text looks on a background with the CIELCh color 40, 11.903, 222.566.



This preview shows how white text looks on a background with the CIELCh color 40, 11.903, 222.566.

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, 11.903, 222.566

Protanopia

40, 6.108, 291.119

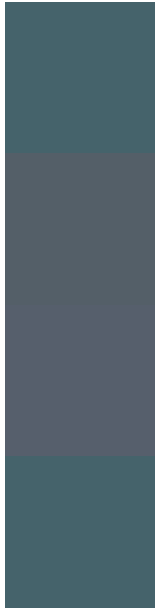
Deuteranopia

40, 10.531, 300.369



Tritanopia
40, 11.903, 222.566

Trichromacy



Original Color
40, 11.903, 222.566

Protanomaly
40, 6.884, 252.256

Deuteranomaly
40, 8.565, 267.385

Tritanomaly
40, 11.903, 222.566

Monochromacy



Original Color
40, 11.903, 222.566

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 4.754, 221.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 11.903, 222.566 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(69, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(69, 99, 107)  
}
```

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(69, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 99, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 11.903, 222.566 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(69, 99, 107) }
```

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

```
.border{ border-color:rgb(69, 99, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 99, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 99, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 99, 107);  
box-shadow:4px 4px 4px 4px rgb(69, 99,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 11.903, 222.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 99, 107) }
```

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

```
.background{ background-color: rgb(69, 99,  
107) }
```

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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