

Converting Colors

CIELCh(40, 15.542, 252.858)

Have a look what the booklet for
CIELCh(40, 15.542, 252.858)
contains.

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Color

CIELCh(40, 15.286, 251.970)

Conversions

Conversions Part 1

Format	Color
Hex	466276
RGB	70, 98, 118
RGB Percent	27%, 38%, 46%
CMY	0.7270, 0.6172, 0.5388
CMYK	0.41, 0.17, 0.00, 0.54
HSL	205°, 26%, 37%
HSV	205°, 41%, 46%
XYZ	10.0771, 11.2510, 18.6578
YIQ	91.9080, -23.1080, 0.2840

Conversions

Conversions Part 2

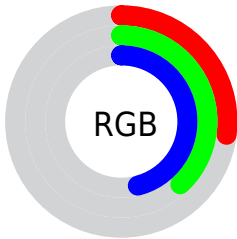
Format	Color
R_{YB}	70, 88, 118
Decimal	4612726
CIE _{Lab}	40.00, -4.73, -14.54
CIE _{LCh}	40, 15.286, 251.970
Yxy	11.2510, 0.2520, 0.2814
Android (android.graphics.Color)	4282802806 (0xFF466276)
YUV	91.9080, 12.8634, -19.2133
Hunter-Lab	33.5425, -5.0727, -9.5000

Details

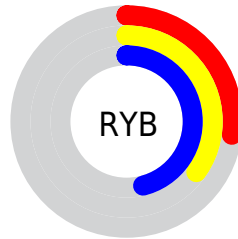
The CIELCh color **40, 15.286, 251.970** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 18.133, 61.807**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 15.196, 250.419**, and **20, 15.383, 251.527** is the 20% darker color. If you saturate the color by 10%, you get **38, 18.669, 254.287**, and if you desaturate by 10%, it is **42, 11.737, 250.041**.

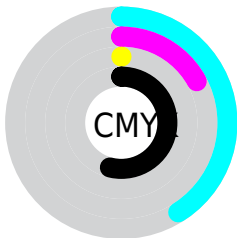
Distribution



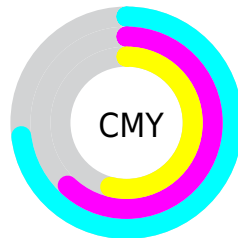
- Red (27%)
- Green (38%)
- Blue (46%)



- Red (27%)
- Yellow (35%)
- Blue (46%)



- Cyan (41%)
- Magenta (17%)
- Yellow (0%)
- Black (54%)





- Cyan (73%)
- Magenta (62%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 15.286, 251.970 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, 15.286, 251.970 by changing the saturation by 10% instead.


 40, 15.286,
251.970


 40, 15.286,
251.970


 100, 15.286,
251.970


 30, 15.286,
251.970

 60, 15.286,
251.970


 20, 15.286,
251.970


 70, 15.286,
251.970


 10, 15.286,
251.970

 80, 15.286,
251.970

 0, 15.286, 251.970

 90, 15.286,
251.970

 40, 15.286,

 40, 15.286,

251.970

251.970

■ 38, 18.669,
254.287

■ 42, 11.737,
250.041

■ 36, 21.876,
257.061

■ 45, 8.044, 248.446

■ 34, 24.912,
260.343

■ 47, 4.230, 247.141

■ 49, 0.322, 246.864

■ 32, 27.809,
264.154

■ 52, 3.659, 64.933

■ 30, 30.625,
268.460

■ 54, 7.690, 64.179

■ 57, 11.755, 63.515

■ 28, 33.283,
272.394

■ 59, 15.839, 62.940

■ 61, 19.929, 62.441

Harmonies

Complementary

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



40, 15.286, 251.970



40, 18.133, 61.807

Rectangle

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



40, 15.286, 251.970



40, 15.286, 301.970



40, 15.286, 71.970



40, 15.286, 121.970

Sweetspot

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



40, 15.285, 251.968



60, 5.818, 247.319



45, 25.675, 155.040



30, 3.832, 247.433



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, 15.285, 251.968



49, 22.361, 254.144



33, 27.215, 291.322



23, 2.204, 246.942



29, 34.365, 272.625



59, 60.960, 275.568

Inverse Universe

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



36, 26.056, 342.836



44, 38.429, 343.865



47, 25.162, 101.661



23, 3.549, 340.025



26, 50.718, 353.070



54, 85.207, 355.020

Previews

White Background



This preview shows how the CIE LCh color 40, 15.286, 251.970 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, 15.286, 251.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

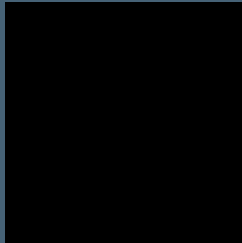
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 15.286, 251.970

Background



This preview shows how black text looks on a background with the CIELCh color 40, 15.286, 251.970.

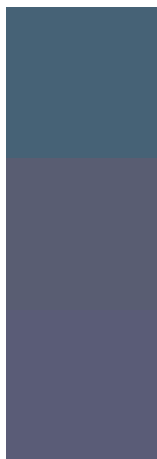


This preview shows how white text looks on a background with the CIELCh color 40, 15.286, 251.970.

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, 15.286, 251.970

Protanopia

40, 12.870, 285.355

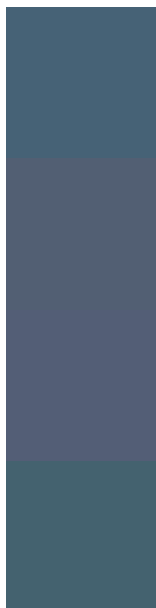
Deuteranopia

40, 16.489, 290.085



Tritanopia
40, 12.492, 221.289

Trichromacy



Original Color
40, 15.286, 251.970

Protanomaly
40, 12.952, 270.196

Deuteranomaly
40, 15.051, 276.878

Tritanomaly
40, 13.115, 235.859

Monochromacy



Original Color
40, 15.286, 251.970

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 5.759, 247.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 15.286, 251.970 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(70, 98, 118)` looks like.

```
.text, #text, p{  
    color:rgb(70, 98, 118)  
}
```

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(70, 98, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 98, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 15.286, 251.970 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(70, 98, 118) }
```

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

```
.border{ border-color:rgb(70, 98, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 98, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 98, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 98, 118);  
box-shadow:4px 4px 4px 4px rgb(70, 98,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 15.286, 251.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 98, 118) }
```

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

```
.background{ background-color: rgb(70, 98,  
118) }
```

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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