

Converting Colors

CIELCh(40, 25.483, 118.946)

Have a look what the booklet for
CIELCh(40, 25.483, 118.946)
contains.

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Color

CIELCh(40, 25.519, 118.927)

Conversions

Conversions Part 1

Format	Color
Hex	576339
RGB	87, 99, 57
RGB Percent	34%, 39%, 22%
CMY	0.6587, 0.6117, 0.7764
CMYK	0.12, 0.00, 0.42, 0.61
HSL	77°, 27%, 31%
HSV	77°, 42%, 39%
XYZ	9.1356, 11.2510, 5.5638
YIQ	90.6240, 6.3300, -15.6060

Conversions

Conversions Part 2

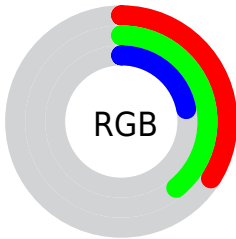
Format	Color
RYB	57, 99, 69
Decimal	5727033
CIELab	40.00, -12.34, 22.34
CIElCh	40, 25.519, 118.927
Yxy	11.2510, 0.3520, 0.4336
Android (android.graphics.Color)	4283917113 (0xFF576339)
YUV	90.6240, -16.5766, -3.1782
Hunter-Lab	33.5425, -10.0830, 13.6451

Details

The CIELCh color $40, 25.519, 118.927$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 27.779, 304.205$, and the grayscale version is $39, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 25.504, 118.753$, and $20, 25.374, 118.954$ is the 20% darker color. If you saturate the color by 10%, you get $40, 31.173, 118.441$, and if you desaturate by 10%, it is $40, 19.648, 119.469$.

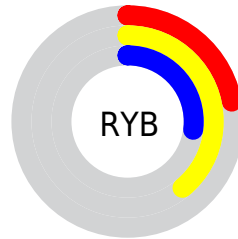
Distribution



Red (34%)

Green (39%)

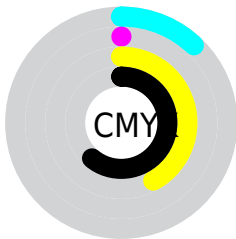
Blue (22%)



Red (22%)

Yellow (39%)

Blue (27%)

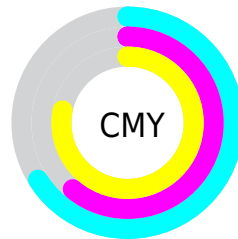


Cyan (12%)

Magenta (0%)

Yellow (42%)

Black (61%)



Cyan (66%)


Magenta (61%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.519, 118.927 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, 25.519, 118.927 by changing the saturation by 10% instead.


 40, 25.519,
118.927


 40, 25.519,
118.927


 100, 25.519,
118.927


 30, 25.519,
118.927

 60, 25.519,
118.927


 20, 25.519,
118.927

 70, 25.519,
118.927

 10, 25.519,
118.927

 80, 25.519,
118.927

 0, 25.519, 118.927

 90, 25.519,
118.927

 40, 25.519,

 40, 25.519,

118.927

■ 40, 31.173,
118.441

■ 39, 36.481,
118.049

■ 39, 41.264,
117.816

■ 39, 45.296,
117.823

■ 38, 48.384,
118.140

■ 38, 50.622,
118.361

118.927

■ 40, 19.648,
119.469

■ 41, 13.645,
120.030

■ 41, 7.572, 120.592

■ 42, 1.470, 121.153

■ 42, 4.632, 301.656

■ 43, 10.710,
302.159

■ 44, 16.751,
302.629

■ 44, 22.741,
303.069

■ 45, 28.672,

Harmonies

Complementary

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



40, 25.519, 118.927



27, 27.779, 304.205

Rectangle

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



40, 25.519, 118.927



40, 25.519, 168.927



40, 25.519, 298.927



40, 25.519, 348.927

Sweetspot

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



40, 25.520, 118.929



53, 9.758, 120.538



32, 16.696, 47.652



26, 6.768, 120.449



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 25.520, 118.929



51, 37.335, 118.439



39, 29.080, 136.149



20, 3.359, 120.790



43, 55.353, 118.562



87, 97.255, 119.414

Inverse Universe

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



27, 27.779, 304.205



31, 41.675, 305.089



29, 29.636, 320.027



18, 3.417, 301.760



12, 70.675, 308.553



33, 124.449, 308.005

Previews

White Background



This preview shows how the CIE LCh color 40, 25.519, 118.927 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, 25.519, 118.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

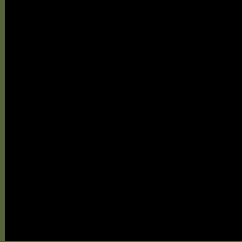
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.519, 118.927

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.519, 118.927.



This preview shows how white text looks on a background with the CIELCh color 40, 25.519, 118.927.

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, 25.519, 118.927

Protanopia

40, 23.746, 96.022

Deuteranopia

40, 22.271, 75.918



Tritanopia
40, 4.282, 285.400

Trichromacy



Original Color
40, 25.519, 118.927

Protanomaly
40, 23.823, 105.315

Deuteranomaly
40, 21.730, 92.852

Tritanomaly
40, 7.026, 126.982

Monochromacy



Original Color
40, 25.519, 118.927

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 9.292, 119.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.519, 118.927 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(87, 99, 57)` looks like.

```
.text, #text, p{  
    color:rgb(87, 99, 57)  
}
```

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(87, 99, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 99, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.519, 118.927 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(87, 99, 57) }
```

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

```
.border{ border-color:rgb(87, 99, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 99, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 99, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 99, 57);  
box-shadow:4px 4px 4px 4px rgb(87, 99, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.519, 118.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 99, 57) }
```

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

```
.background{ background-color: rgb(87, 99,  
57) }
```

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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