

Converting Colors

CIELCh(37, 56.880, 116.794)

Have a look what the booklet for
CIELCh(37, 56.880, 116.794)
contains.

CIELCh(37, 49.888, 119.556)	3
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Color

CIELCh(37, 49.888, 119.556)

Conversions

Conversions Part 1

Format	Color
Hex	426000
RGB	66, 96, 0
RGB Percent	26%, 38%, 0%
CMY	0.7409, 0.6233, 0.9997
CMYK	0.31, 0.00, 1.00, 0.62
HSL	79°, 100%, 19%
HSV	79°, 100%, 38%
XYZ	6.4401, 9.5379, 1.5036
YIQ	76.0860, 12.9360, -36.2160

Conversions

Conversions Part 2

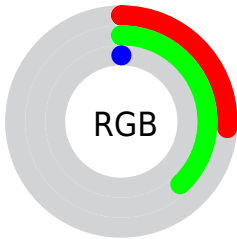
Format	Color
RYB	0, 96, 30
Decimal	4349952
CIELab	37.00, -24.61, 43.40
CIELCh	37, 49.888, 119.556
Yxy	9.5379, 0.3684, 0.5456
Android (android.graphics.Color)	4282540032 (0xFF426000)
YUV	76.0860, -37.5104, -8.8454
Hunter-Lab	30.8835, -16.8235, 18.7319

Details

The CIELCh color $37, 49.888, 119.556$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $10, 62.866, 309.099$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 50.157, 119.390$, and $17, 32.985, 133.548$ is the 20% darker color. If you saturate the color by 10%, you get $37, 49.912, 119.559$, and if you desaturate by 10%, it is $37, 46.907, 119.246$.

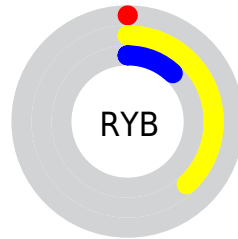
Distribution



Red (26%)

Green (38%)

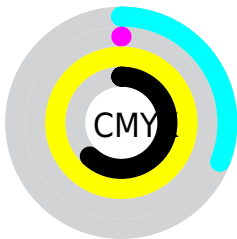
Blue (0%)



Red (0%)

Yellow (38%)

Blue (12%)

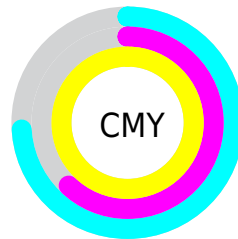


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (62%)



Cyan (74%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 49.888, 119.556 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 37, 49.888, 119.556 by changing the saturation by 10% instead.


 37, 49.888,
119.556

 37, 49.888,
119.556

 100, 49.888,
119.556

 27, 49.888,
119.556

 57, 49.888,
119.556


 17, 49.888,
119.556


 67, 49.888,
119.556

 7, 49.888, 119.556

 77, 49.888,
119.556

 0, 49.888, 119.556

 87, 49.888,
119.556

 97, 49.888,
119.556

■ 37, 49.888,
119.556

■ 37, 49.888,
119.556

■ 37, 49.912,
119.559

■ 37, 46.907,
119.246

■ 37, 43.598,
118.977

■ 38, 39.393,
119.018

■ 38, 34.528,
119.279

■ 38, 29.208,
119.680

■ 39, 23.593,
120.163

■ 39, 17.793,
120.688

■ 40, 11.886,

121.227

■ 40, 5.925, 121.764

Harmonies

Complementary

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



37, 49.888, 119.556



10, 62.866, 309.099

Rectangle

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



37, 49.888, 119.556



37, 49.888, 169.556



37, 49.888, 299.556



37, 49.888, 349.556

Sweetspot

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



37, 49.888, 119.558



51, 22.137, 120.635



21, 43.070, 47.246



26, 15.198, 120.481



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 49.888, 119.558



48, 60.302, 119.991



35, 57.030, 134.003



20, 3.373, 121.819



43, 55.776, 119.825



87, 98.068, 120.722

Inverse Universe

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



10, 62.866, 309.099



15, 76.082, 308.810



18, 57.496, 321.137



18, 3.430, 302.743



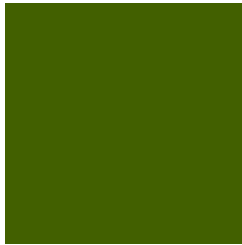
13, 70.347, 308.922



33, 123.888, 308.342

Previews

White Background



This preview shows how the CIELCh color 37, 49.888, 119.556 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 49.888, 119.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37, 49.888, 119.556

Background



This preview shows how black text looks on a background with the CIELCh color 37, 49.888, 119.556.



This preview shows how white text looks on a background with the CIELCh color 37, 49.888, 119.556.

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](#).

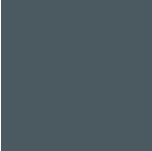
Dichromacy



Original Color
37, 49.888, 119.556

Protanopia
37, 44.652, 95.569

Deuteranopia
37, 39.732, 83.335



Tritanopia
37, 6.913, 237.791

Trichromacy



Original Color
37, 49.888, 119.556

Protanomaly
37, 45.378, 105.408

Deuteranomaly
37, 41.447, 99.131

Tritanomaly
37, 20.934, 132.525

Monochromacy



Original Color
37, 49.888, 119.556

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 22.064, 120.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 49.888, 119.556 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(66, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 96, 0)  
}
```

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(66, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 96, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 49.888, 119.556 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(66, 96, 0) }
```

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

```
.border{ border-color:rgb(66, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 96, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 96, 0); box-shadow:4px  
4px 4px 4px rgb(66, 96, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 49.888, 119.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 96, 0) }
```

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

```
.background{ background-color: rgb(66, 96,  
0) }
```

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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