

Converting Colors

CIELCh(37, 44.686, 121.828)

Have a look what the booklet for
CIELCh(37, 44.686, 121.828)
contains.

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Color

CIELCh(37, 44.892, 122.031)

Conversions

Conversions Part 1

Format	Color
Hex	426012
RGB	66, 96, 18
RGB Percent	26%, 38%, 7%
CMY	0.7417, 0.6240, 0.9300
CMYK	0.31, 0.00, 0.81, 0.62
HSL	83°, 69%, 22%
HSV	83°, 81%, 38%
XYZ	6.5161, 9.5379, 2.0634
YIQ	78.1380, 7.1580, -30.6180

Conversions

Conversions Part 2

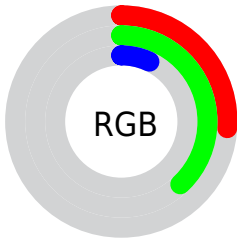
Format	Color
R _Y B	18, 96, 48
Decimal	4349970
CIE Lab	37.00, -23.81, 38.06
CIE LCh	37, 44.892, 122.031
Yxy	9.5379, 0.3597, 0.5264
Android (android.graphics.Color)	4282540050 (0xFF426012)
YUV	78.1380, -29.6480, -10.6450
Hunter-Lab	30.8835, -16.3843, 17.6572

Details

The CIELCh color $37, 44.892, 122.031$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $15, 52.532, 309.681$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 44.854, 122.149$, and $17, 32.611, 132.535$ is the 20% darker color. If you saturate the color by 10%, you get $37, 48.206, 122.406$, and if you desaturate by 10%, it is $37, 40.684, 121.985$.

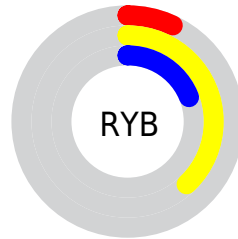
Distribution



 Red (26%)

 Green (38%)

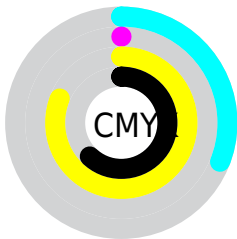
 Blue (7%)



 Red (7%)

 Yellow (38%)

 Blue (19%)

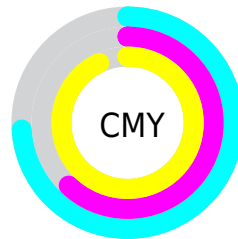


 Cyan (31%)

 Magenta (0%)

 Yellow (81%)

 Black (62%)



 Cyan (74%)


 Magenta (62%)


 Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 44.892, 122.031 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, 44.892, 122.031 by changing the saturation by 10% instead.


 37, 44.892,
122.031


 37, 44.892,
122.031

 100, 44.892,
122.031

 27, 44.892,
122.031

 57, 44.892,
122.031


 17, 44.892,
122.031


 67, 44.892,
122.031

 7, 44.892, 122.031

 77, 44.892,
122.031

 0, 44.892, 122.031

 87, 44.892,
122.031

 97, 44.892,
122.031

■ 37, 44.892,
122.031

■ 37, 44.892,
122.031

■ 37, 48.206,
122.406

■ 37, 40.684,
121.985

■ 37, 50.912,
122.692

■ 38, 35.790,
122.178

■ 38, 30.423,
122.523

■ 38, 24.747,
122.958

■ 39, 18.880,
123.435

■ 39, 12.902,
123.927

■ 40, 6.871, 124.416

■ 41, 0.827, 124.932

Harmonies

Complementary

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



37, 44.892, 122.031



15, 52.532, 309.681

Rectangle

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



37, 44.892, 122.031



37, 44.892, 172.031



37, 44.892, 302.031



37, 44.892, 352.031

Sweetspot

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



37, 44.892, 122.032



51, 17.999, 123.762



26, 33.990, 55.349



26, 12.453, 123.638



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, 44.892, 122.032



47, 61.030, 123.055



35, 51.404, 135.942



20, 3.416, 124.536



43, 57.007, 122.990



86, 100.416, 123.971

Inverse Universe

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



15, 52.532, 309.681



17, 74.005, 309.906



21, 51.188, 324.058



18, 3.467, 305.356



14, 69.401, 310.074



35, 122.226, 309.427

Previews

White Background



This preview shows how the CIELCh color 37, 44.892, 122.031 looks on a white background.

Color Contrast Check

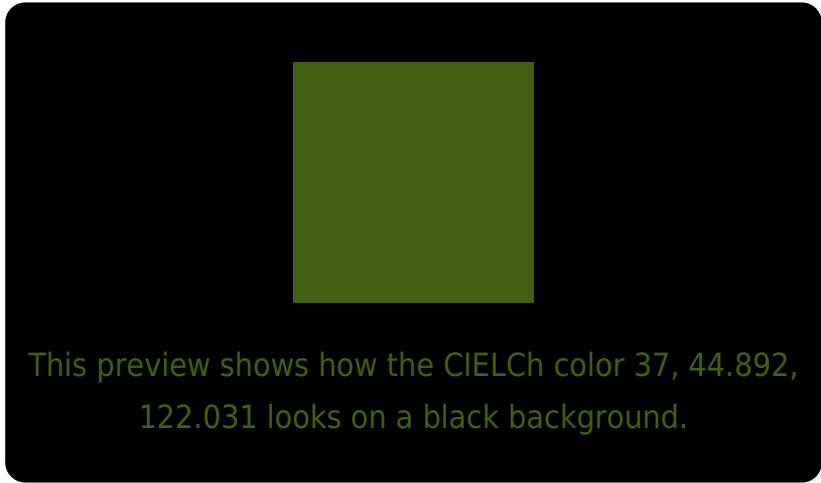
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 44.892, 122.031

Background



This preview shows how black text looks on a background with the CIELCh color 37, 44.892, 122.031.



This preview shows how white text looks on a background with the CIELCh color 37, 44.892, 122.031.

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

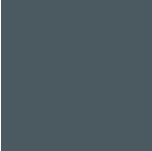
37, 44.892, 122.031

Protanopia

37, 39.734, 95.507

Deuteranopia

37, 36.468, 82.040



Tritanopia
37, 6.913, 237.791

Trichromacy



Original Color
37, 44.892, 122.031

Protanomaly
37, 40.214, 106.504

Deuteranomaly
36, 37.061, 99.310

Tritanomaly
37, 16.455, 138.371

Monochromacy



Original Color
37, 44.892, 122.031

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 17.866, 122.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 44.892, 122.031 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(66, 96, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 96, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 44.892, 122.031 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, 18) }
```

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

```
.border{ border-color:rgb(66, 96, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 96, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 96, 18);  
box-shadow:4px 4px 4px 4px rgb(66, 96, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 44.892, 122.031 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, 18) }
```

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

```
.background{ background-color: rgb(66, 96,  
18) }
```

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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