

Converting Colors

CIELCh(37, 45.198, 119.956)

Have a look what the booklet for
CIELCh(37, 45.198, 119.956)
contains.

CIELCh(37, 44.888, 119.592)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 44.888, 119.592)

Conversions

Conversions Part 1

Format	Color
Hex	455F0F
RGB	69, 95, 15
RGB Percent	27%, 37%, 6%
CMY	0.7284, 0.6265, 0.9400
CMYK	0.27, 0.00, 0.84, 0.63
HSL	80°, 72%, 22%
HSV	80°, 84%, 37%
XYZ	6.6744, 9.5379, 1.9522
YIQ	78.1060, 10.1840, -30.3920

Conversions

Conversions Part 2

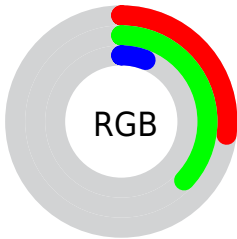
Format	Color
RYB	15, 95, 41
Decimal	4546319
CIELab	37.00, -22.17, 39.03
CIELCh	37, 44.888, 119.592
Yxy	9.5379, 0.3674, 0.5251
Android (android.graphics.Color)	4282736399 (0xFF455F0F)
YUV	78.1060, -31.1113, -7.9860
Hunter-Lab	30.8835, -15.4698, 17.8706

Details

The CIELCh color $[37, 44.888, 119.592]$ is a dark color, and the websafe version is hex $\#336600$. A complement of this color would be $[14, 53.969, 308.473]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 45.317, 119.699]$, and $[17, 32.029, 130.835]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 47.928, 119.959]$, and if you desaturate by 10%, it is $[37, 41.014, 119.512]$.

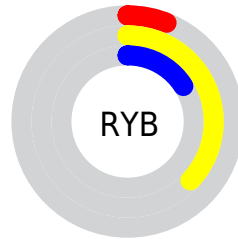
Distribution



Red (27%)

Green (37%)

Blue (6%)



Red (6%)

Yellow (37%)

Blue (16%)

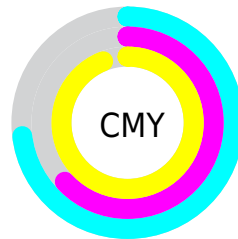


Cyan (27%)

Magenta (0%)

Yellow (84%)

Black (63%)



Cyan (73%)


Magenta (63%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 44.888, 119.592 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, 44.888, 119.592 by changing the saturation by 10% instead.

 37, 44.888,
119.592

 37, 44.888,
119.592

 100, 44.888,
119.592

 27, 44.888,
119.592

 57, 44.888,
119.592

 17, 44.888,
119.592

 67, 44.888,
119.592

 7, 44.888, 119.592

 77, 44.888,
119.592

 0, 44.888, 119.592

 87, 44.888,
119.592

 97, 44.888,
119.592

■ 37, 44.888,
119.592

■ 37, 44.888,
119.592

■ 37, 47.928,
119.959

■ 37, 41.014,
119.512

■ 37, 49.789,
120.117

■ 38, 36.395,
119.687

■ 38, 31.251,
120.031

■ 38, 25.758,
120.479

■ 39, 20.045,
120.982

■ 39, 14.200,
121.508

■ 40, 8.283, 122.037

■ 40, 2.337, 122.561

Harmonies

Complementary

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



37, 44.888, 119.592



14, 53.969, 308.473

Rectangle

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



37, 44.888, 119.592



37, 44.888, 169.592



37, 44.888, 299.592



37, 44.888, 349.592

Sweetspot

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



37, 44.888, 119.594



51, 18.529, 121.410



24, 35.932, 49.925



26, 12.730, 121.282



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, 44.888, 119.594



48, 60.529, 120.575



35, 51.427, 134.711



20, 3.380, 122.300



43, 55.982, 120.405



87, 98.465, 121.321

Inverse Universe

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



14, 53.969, 308.473



15, 75.910, 308.993



20, 51.916, 321.888



18, 3.436, 303.205



13, 70.187, 309.107



34, 123.612, 308.514

Previews

White Background



This preview shows how the CIELCh color 37, 44.888, 119.592 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, 44.888, 119.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

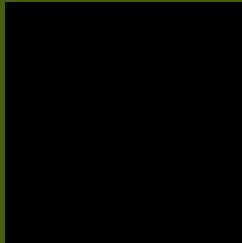
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 44.888, 119.592

Background



This preview shows how black text looks on a background with the CIELCh color 37, 44.888, 119.592.



This preview shows how white text looks on a background with the CIELCh color 37, 44.888, 119.592.

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, 44.888, 119.592

Protanopia

37, 40.748, 95.533

Deuteranopia

37, 37.332, 82.384



Tritanopia
37, 6.068, 244.635

Trichromacy



Original Color
37, 44.888, 119.592

Protanomaly
37, 41.201, 104.886

Deuteranomaly
37, 37.997, 97.737

Tritanomaly
37, 16.358, 133.560

Monochromacy



Original Color
37, 44.888, 119.592

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 18.328, 120.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 44.888, 119.592 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, 95, 15)` looks like.

```
.text, #text, p{  
    color:rgb(69, 95, 15)  
}
```

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, 95, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 95, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 44.888, 119.592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

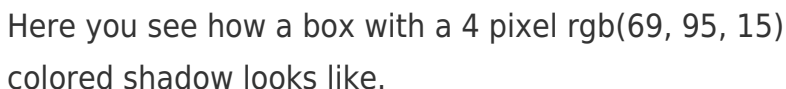
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 95, 15) }
```

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

```
.border{ border-color:rgb(69, 95, 15) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 95, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 95, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 95, 15);  
box-shadow:4px 4px 4px 4px rgb(69, 95, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 44.888, 119.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 95, 15) }
```

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

```
.background{ background-color: rgb(69, 95,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor