

Converting Colors

CIELCh(37, 39.634, 119.624)

Have a look what the booklet for
CIELCh(37, 39.634, 119.624)
contains.

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Color

CIELCh(37, 39.459, 119.673)

Conversions

Conversions Part 1

Format	Color
Hex	485E1B
RGB	72, 94, 27
RGB Percent	28%, 37%, 11%
CMY	0.7163, 0.6300, 0.8928
CMYK	0.23, 0.00, 0.71, 0.63
HSL	80°, 55%, 24%
HSV	80°, 71%, 37%
XYZ	6.9332, 9.5379, 2.5331
YIQ	79.7840, 8.3950, -25.5010

Conversions

Conversions Part 2

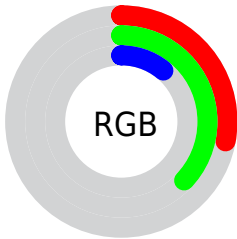
Format	Color
R_{YB}	27, 94, 49
Decimal	4742683
CIE _{Lab}	37.00, -19.53, 34.28
CIE _{LCh}	37, 39.459, 119.673
Yxy	9.5379, 0.3648, 0.5019
Android (android.graphics.Color)	4282932763 (0xFF485E1B)
YUV	79.7840, -26.0225, -6.8266
Hunter-Lab	30.8835, -13.9740, 16.7554

Details

The CIELCh color $37, 39.459, 119.673$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $17, 45.825, 307.754$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 39.025, 119.335$, and $17, 30.354, 127.279$ is the 20% darker color. If you saturate the color by 10%, you get $37, 43.556, 119.672$, and if you desaturate by 10%, it is $37, 34.694, 119.906$.

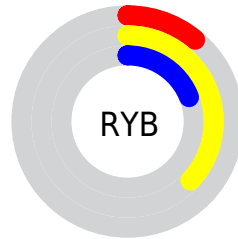
Distribution



Red (28%)

Green (37%)

Blue (11%)



Red (11%)

Yellow (37%)

Blue (19%)

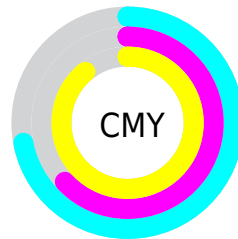


Cyan (23%)

Magenta (0%)

Yellow (71%)

Black (63%)



Cyan (72%)


Magenta (63%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 39.459, 119.673 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, 39.459, 119.673 by changing the saturation by 10% instead.


 37, 39.459,
119.673


 37, 39.459,
119.673

 100, 39.459,
119.673


 27, 39.459,
119.673

 57, 39.459,
119.673


 17, 39.459,
119.673


 67, 39.459,
119.673

 7, 39.459, 119.673

 77, 39.459,
119.673

 0, 39.459, 119.673

 87, 39.459,
119.673

 97, 39.459,
119.673

■ 37, 39.459,
119.673

■ 37, 39.459,
119.673

■ 37, 43.556,
119.672

■ 37, 34.694,
119.906

■ 36, 46.772,
119.982

■ 38, 29.466,
120.285

■ 36, 49.499,
120.240

■ 38, 23.936,
120.751

■ 38, 18.217,
121.261

■ 39, 12.387,
121.786

■ 39, 6.501, 122.310

■ 40, 0.597, 122.868

■ 41, 5.298, 303.287

■ 41, 11.164,
303.746

Harmonies

Complementary

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



37, 39.459, 119.673



17, 45.825, 307.754

Rectangle

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



37, 39.459, 119.673



37, 39.459, 169.673



37, 39.459, 299.673



37, 39.459, 349.673

Sweetspot

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



37, 39.459, 119.675



50, 15.331, 121.754



26, 29.225, 50.236



25, 10.275, 121.663



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 39.459, 119.675



47, 55.032, 119.840



35, 45.181, 135.253



19, 3.231, 122.426



42, 55.113, 120.510



86, 97.765, 121.459

Inverse Universe

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



17, 45.825, 307.754



18, 66.657, 308.680



22, 45.860, 321.836



17, 3.283, 303.313



13, 68.989, 309.180



33, 122.539, 308.563

Previews

White Background



This preview shows how the CIELCh color 37, 39.459, 119.673 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, 39.459, 119.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

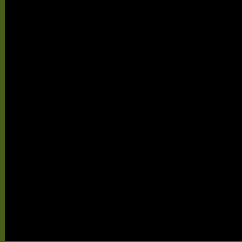
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

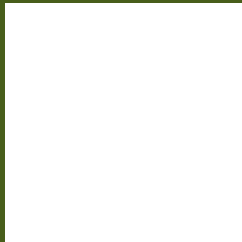
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 39.459, 119.673

Background



This preview shows how black text looks on a background with the CIELCh color 37, 39.459, 119.673.



This preview shows how white text looks on a background with the CIELCh color 37, 39.459, 119.673.

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

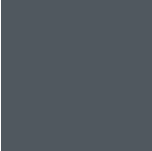
37, 39.459, 119.673

Protanopia

37, 36.021, 96.141

Deuteranopia

37, 33.206, 82.427



Tritanopia
37, 5.327, 253.698

Trichromacy



Original Color
37, 39.459, 119.673

Protanomaly
37, 36.522, 105.785

Deuteranomaly
37, 33.531, 97.719

Tritanomaly
37, 13.591, 133.222

Monochromacy



Original Color
37, 39.459, 119.673

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 15.246, 121.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 39.459, 119.673 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(72, 94, 27)` looks like.

```
.text, #text, p{  
    color:rgb(72, 94, 27)  
}
```

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(72, 94, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 94, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 39.459, 119.673 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(72, 94, 27) }
```

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

```
.border{ border-color:rgb(72, 94, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 94, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 94, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 94, 27);  
box-shadow:4px 4px 4px 4px rgb(72, 94, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 39.459, 119.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 94, 27) }
```

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

```
.background{ background-color: rgb(72, 94,  
27) }
```

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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