

Converting Colors

CIELCh(45, 39.184, 122.614)

Have a look what the booklet for
CIELCh(45, 39.184, 122.614)
contains.

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Color

CIELCh(45, 39.153, 122.629)

Conversions

Conversions Part 1

Format	Color
Hex	597331
RGB	89, 115, 49
RGB Percent	35%, 45%, 19%
CMY	0.6519, 0.5499, 0.8087
CMYK	0.23, 0.00, 0.57, 0.55
HSL	84°, 40%, 32%
HSV	84°, 57%, 45%
XYZ	10.7524, 14.5417, 5.1222
YIQ	99.7020, 5.6900, -26.0380

Conversions

Conversions Part 2

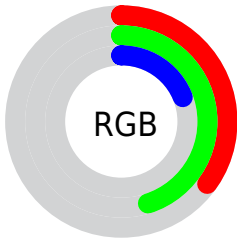
Format	Color
R_{YB}	49, 115, 75
Decimal	5862193
CIE _{Lab}	45.00, -21.11, 32.97
CIE _{LCh}	45, 39.153, 122.629
Y _{xy}	14.5417, 0.3535, 0.4781
Android (android.graphics.Color)	4284052273 (0xFF597331)
YUV	99.7020, -24.9961, -9.3857
Hunter-Lab	38.1336, -16.4029, 18.7296




Details

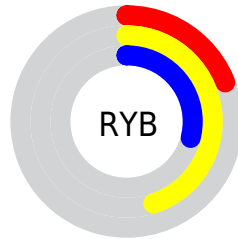
The CIELCh color **45, 39.153, 122.629** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 43.481, 308.708**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **65, 39.309, 122.307**, and **25, 39.548, 122.878** is the 20% darker color. If you saturate the color by 10%, you get **45, 45.008, 122.390**, and if you desaturate by 10%, it is **45, 32.796, 123.011**.

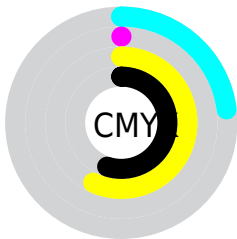
Distribution







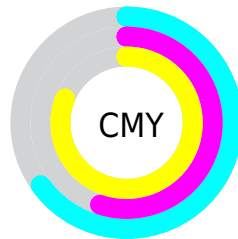
-  Red (35%)
-  Green (45%)
-  Blue (19%)






-  Red (19%)
-  Yellow (45%)
-  Blue (29%)



-  Cyan (23%)
-  Magenta (0%)
-  Yellow (57%)
-  Black (55%)





-  Cyan (65%)
-  Magenta (55%)
-  Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.153, 122.629 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 45, 39.153, 122.629 by changing the saturation by 10% instead.


 45, 39.153,
122.629


 45, 39.153,
122.629


 100, 39.153,
122.629


 35, 39.153,
122.629

 65, 39.153,
122.629


 25, 39.153,
122.629

 75, 39.153,
122.629

 15, 39.153,
122.629

 85, 39.153,
122.629

 5, 39.153, 122.629

 95, 39.153,
122.629

 0, 39.153, 122.629

 45, 39.153,

 45, 39.153,

122.629

122.629

■ 45, 45.008,
122.390

■ 45, 32.796,
123.011

■ 44, 50.117,
122.376

■ 46, 26.118,
123.467

■ 44, 54.201,
122.693

■ 47, 19.248,
123.958

■ 44, 57.331,
123.296

■ 47, 12.272,
124.455

■ 43, 58.125,
123.419

■ 48, 5.254, 124.946

■ 49, 1.764, 305.367

■ 49, 8.751, 305.827

■ 50, 15.683,
306.235

■ 51, 22.545,

Harmonies

Complementary

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



45, 39.153, 122.629



26, 43.481, 308.708

Rectangle

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



45, 39.153, 122.629



45, 39.153, 172.629



45, 39.153, 302.629



45, 39.153, 352.629

Sweetspot

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



45, 39.154, 122.630



61, 14.888, 124.458



36, 26.344, 56.995



32, 10.034, 124.382



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 39.154, 122.630



58, 56.923, 122.355



43, 44.995, 137.514



24, 4.019, 124.870



46, 60.914, 123.529



89, 103.995, 124.404

Inverse Universe

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



26, 43.481, 308.708



30, 65.118, 309.512



31, 45.286, 323.651



22, 4.081, 305.713



16, 73.798, 310.141



37, 125.937, 309.565

Previews

White Background



This preview shows how the CIELCh color 45, 39.153, 122.629 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 CIELCh color 45, 39.153, 122.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

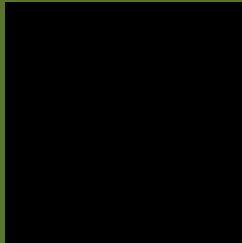
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 39.153, 122.629

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.153, 122.629.



This preview shows how white text looks on a background with the CIELCh color 45, 39.153, 122.629.

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

45, 39.153, 122.629

Protanopia

45, 34.912, 95.617

Deuteranopia

45, 32.034, 79.003



Tritanopia
45, 6.075, 251.105

Trichromacy



Original Color
45, 39.153, 122.629

Protanomaly
45, 35.299, 106.670

Deuteranomaly
45, 32.158, 96.986

Tritanomaly
45, 12.463, 139.037

Monochromacy



Original Color
45, 39.153, 122.629

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 14.964, 125.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 39.153, 122.629 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(89, 115, 49)` looks like.

```
.text, #text, p{  
    color:rgb(89, 115, 49)  
}
```

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(89, 115, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 115, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 39.153, 122.629 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(89, 115, 49) }
```

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

```
.border{ border-color:rgb(89, 115, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 115, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 115, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 115, 49);  
box-shadow:4px 4px 4px 4px rgb(89, 115,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 39.153, 122.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 115, 49) }
```

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

```
.background{ background-color: rgb(89, 115,  
49) }
```

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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