

Converting Colors

CIELCh(45, 33.613, 119.000)

Have a look what the booklet for
CIELCh(45, 33.613, 119.000)
contains.

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Color

CIELCh(45, 33.578, 119.018)

Conversions

Conversions Part 1

Format	Color
Hex	607138
RGB	96, 113, 56
RGB Percent	38%, 44%, 22%
CMY	0.6241, 0.5574, 0.7809
CMYK	0.15, 0.00, 0.50, 0.56
HSL	78°, 34%, 33%
HSV	78°, 50%, 44%
XYZ	11.4086, 14.5417, 5.9298
YIQ	101.4190, 8.1650, -21.3310

Conversions

Conversions Part 2

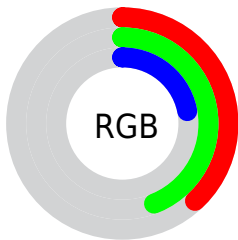
Format	Color
RYB	56, 113, 73
Decimal	6320440
CIELab	45.00, -16.29, 29.36
CIElCh	45, 33.578, 119.018
Yxy	14.5417, 0.3579, 0.4561
Android (android.graphics.Color)	4284510520 (0xFF607138)
YUV	101.4190, -22.3916, -4.7525
Hunter-Lab	38.1336, -13.3309, 17.4738

Details

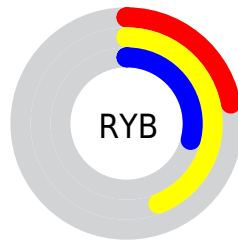
The CIELCh color $45, 33.578, 119.018$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $28, 37.299, 305.355$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 33.867, 118.823$, and $25, 33.365, 118.824$ is the 20% darker color. If you saturate the color by 10%, you get $45, 39.558, 118.619$, and if you desaturate by 10%, it is $45, 27.228, 119.514$.

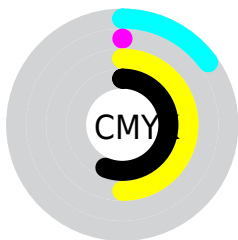
Distribution



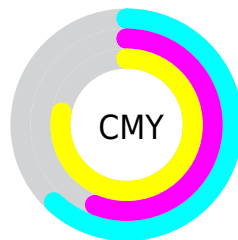
- Red (38%)
- Green (44%)
- Blue (22%)



- Red (22%)
- Yellow (44%)
- Blue (29%)



- Cyan (15%)
- Magenta (0%)
- Yellow (50%)
- Black (56%)





- Cyan (62%)
- Magenta (56%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 33.578, 119.018 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, 33.578, 119.018 by changing the saturation by 10% instead.


 45, 33.578,
119.018


 45, 33.578,
119.018


 100, 33.578,
119.018


 35, 33.578,
119.018

 65, 33.578,
119.018


 25, 33.578,
119.018

 75, 33.578,
119.018

 15, 33.578,
119.018

 85, 33.578,
119.018

 5, 33.578, 119.018

 95, 33.578,
119.018

 0, 33.578, 119.018

 45, 33.578,

 45, 33.578,

119.018

■ 45, 39.558,
118.619

■ 44, 44.970,
118.376

■ 44, 49.556,
118.376

■ 44, 53.044,
118.715

■ 43, 55.784,
119.170

119.018

■ 45, 27.228,
119.514

■ 46, 20.647,
120.056

■ 46, 13.930,
120.617

■ 47, 7.144, 121.176

■ 48, 0.333, 121.807

■ 48, 6.470, 302.225

■ 49, 13.242,
302.716

■ 50, 19.964,
303.176

■ 50, 26.626,

Harmonies

Complementary

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



45, 33.578, 119.018



28, 37.299, 305.355

Rectangle

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



45, 33.578, 119.018



45, 33.578, 169.018



45, 33.578, 299.018



45, 33.578, 349.018

Sweetspot

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



45, 33.579, 119.020



60, 12.735, 120.902



35, 22.870, 47.484



31, 8.631, 120.812



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 33.579, 119.020



58, 49.557, 118.551



43, 38.254, 135.606



23, 3.808, 121.259



46, 58.261, 119.261



90, 99.996, 120.059

Inverse Universe

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



28, 37.299, 305.355



32, 56.880, 306.432



31, 39.084, 320.336



21, 3.875, 302.239



14, 73.986, 308.654



34, 127.202, 308.144

Previews

White Background



This preview shows how the CIELCh color 45, 33.578, 119.018 looks on a white background.

Color Contrast Check

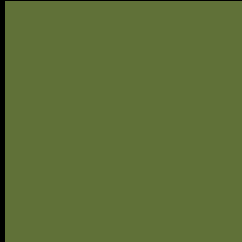
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.578, 119.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

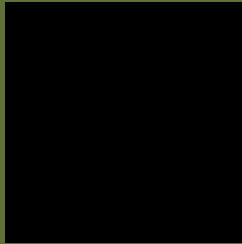
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 33.578, 119.018

Background



This preview shows how black text looks on a background with the CIELCh color 45, 33.578, 119.018.



This preview shows how white text looks on a background with the CIELCh color 45, 33.578, 119.018.

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, 33.578, 119.018

Protanopia
45, 30.654, 95.930

Deuteranopia
45, 28.738, 77.558



Tritanopia
45, 5.482, 278.487

Trichromacy



Original Color
45, 33.578, 119.018

Protanomaly
45, 30.619, 104.886

Deuteranomaly
45, 28.202, 93.515

Tritanomaly
45, 9.562, 129.660

Monochromacy



Original Color
45, 33.578, 119.018

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 12.206, 120.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 33.578, 119.018 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(96, 113, 56)` looks like.

```
.text, #text, p{  
    color:rgb(96, 113, 56)  
}
```

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(96, 113, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 113, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 33.578, 119.018 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(96, 113, 56) }
```

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

```
.border{ border-color:rgb(96, 113, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 113, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 113, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 113, 56);  
box-shadow:4px 4px 4px 4px rgb(96, 113,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 33.578, 119.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 113, 56) }
```

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

```
.background{ background-color: rgb(96, 113,  
56) }
```

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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