

Converting Colors

CIELCh(45, 27.616, 119.197)

Have a look what the booklet for
CIELCh(45, 27.616, 119.197)
contains.

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Color

CIELCh(45, 27.999, 119.420)

Conversions

Conversions Part 1

Format	Color
Hex	627041
RGB	98, 112, 65
RGB Percent	38%, 44%, 25%
CMY	0.6160, 0.5611, 0.7454
CMYK	0.13, 0.00, 0.42, 0.56
HSL	78°, 27%, 35%
HSV	78°, 42%, 44%
XYZ	11.7640, 14.5417, 7.1754
YIQ	102.4560, 6.7430, -17.5850

Conversions

Conversions Part 2

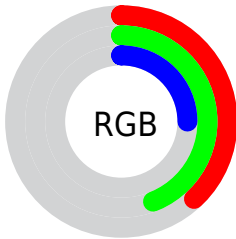
Format	Color
RYB	65, 112, 79
Decimal	6451265
CIELab	45.00, -13.75, 24.39
CIELCh	45, 27.999, 119.420
Yxy	14.5417, 0.3514, 0.4343
Android (android.graphics.Color)	4284641345 (0xFF627041)
YUV	102.4560, -18.4658, -3.9079
Hunter-Lab	38.1336, -11.6674, 15.5372

Details

The CIELCh color $45, 27.999, 119.420$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $31, 30.450, 304.606$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 28.021, 120.064$, and $25, 28.039, 119.372$ is the 20% darker color. If you saturate the color by 10%, you get $45, 34.263, 118.938$, and if you desaturate by 10%, it is $45, 21.491, 119.959$.

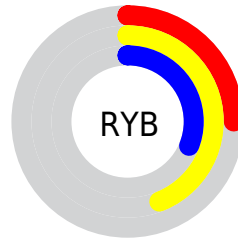
Distribution



 Red (38%)

 Green (44%)

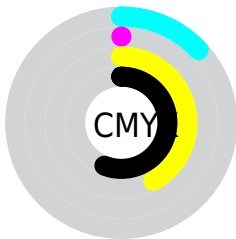
 Blue (25%)



 Red (25%)

 Yellow (44%)

 Blue (31%)

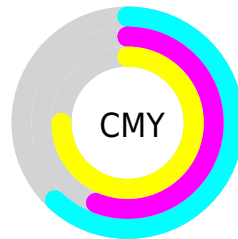


 Cyan (13%)


 Magenta (0%)

 Yellow (42%)

 Black (56%)



 Cyan (62%)


 Magenta (56%)


 Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.999, 119.420 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, 27.999, 119.420 by changing the saturation by 10% instead.


 45, 27.999,
119.420


 45, 27.999,
119.420


 100, 27.999,
119.420


 35, 27.999,
119.420

 65, 27.999,
119.420


 25, 27.999,
119.420

 75, 27.999,
119.420

 15, 27.999,
119.420

 85, 27.999,
119.420

 5, 27.999, 119.420

 95, 27.999,
119.420

 0, 27.999, 119.420

 45, 27.999,

 45, 27.999,

119.420

119.420

■ 45, 34.263,
118.938

■ 45, 21.491,
119.959

■ 44, 40.133,
118.556

■ 46, 14.836,
120.518

■ 44, 45.405,
118.342

■ 47, 8.104, 121.078

■ 44, 49.820,
118.384

■ 47, 1.341, 121.641

■ 43, 53.117,
118.774

■ 48, 5.417, 302.133

■ 43, 55.441,
119.138

■ 48, 12.148,
302.630

■ 49, 18.832,
303.094

■ 50, 25.457,
303.526

■ 51, 32.014,

Harmonies

Complementary

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



45, 27.999, 119.420



31, 30.450, 304.606

Rectangle

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



45, 27.999, 119.420



45, 27.999, 169.420



45, 27.999, 299.420



45, 27.999, 349.420

Sweetspot

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



45, 28.000, 119.422



59, 10.883, 121.003



37, 18.294, 47.647



31, 7.673, 120.903



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, 28.000, 119.422



57, 40.864, 118.969



43, 31.838, 136.138



23, 3.808, 121.244



46, 58.255, 119.242



90, 99.983, 120.040

Inverse Universe

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



31, 30.450, 304.606



36, 45.484, 305.411



33, 32.449, 320.034



21, 3.874, 302.224



14, 73.991, 308.648



34, 127.211, 308.139

Previews

White Background



This preview shows how the CIE LCh color 45, 27.999, 119.420 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 CIE LCh color 45, 27.999, 119.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

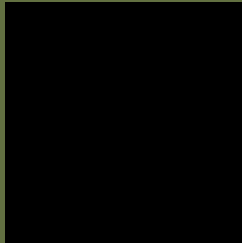
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.999, 119.420

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.999, 119.420.



This preview shows how white text looks on a background with the CIELCh color 45, 27.999, 119.420.

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, 27.999, 119.420

Protanopia

45, 25.650, 95.980

Deuteranopia

45, 24.320, 76.876



Tritanopia
45, 4.829, 281.410

Trichromacy



Original Color
45, 27.999, 119.420

Protanomaly
45, 25.676, 105.449

Deuteranomaly
45, 24.080, 94.460

Tritanomaly
45, 7.585, 128.614

Monochromacy



Original Color
45, 27.999, 119.420

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 10.354, 120.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.999, 119.420 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(98, 112, 65)` looks like.

```
.text, #text, p{  
    color:rgb(98, 112, 65)  
}
```

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(98, 112, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 112, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.999, 119.420 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(98, 112, 65) }
```

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

```
.border{ border-color:rgb(98, 112, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 112, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 112, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 112, 65);  
box-shadow:4px 4px 4px 4px rgb(98, 112,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.999, 119.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 112, 65) }
```

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

```
.background{ background-color: rgb(98, 112,  
65) }
```

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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