

Converting Colors

CIELCh(27, 39.852, 117.688)

Have a look what the booklet for
CIELCh(27, 39.852, 117.688)
contains.

CIELCh(27, 39.631, 117.798)	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(27, 39.631, 117.798)

Conversions

Conversions Part 1

Format	Color
Hex	324600
RGB	50, 70, 0
RGB Percent	20%, 27%, 0%
CMY	0.8030, 0.7246, 0.9991
CMYK	0.28, 0.00, 1.00, 0.72
HSL	77°, 99%, 14%
HSV	77°, 100%, 28%
XYZ	3.5327, 5.0937, 0.8036
YIQ	56.0400, 10.5500, -26.0100

Conversions

Conversions Part 2

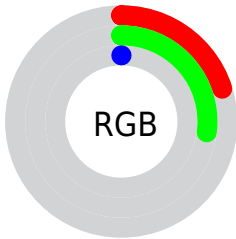
Format	Color
RYB	0, 70, 20
Decimal	3294720
CIELab	27.00, -18.48, 35.06
CIElCh	27, 39.631, 117.798
Yxy	5.0937, 0.3746, 0.5402
Android (android.graphics.Color)	4281484800 (0xFF324600)
YUV	56.0400, -27.6277, -5.2971
Hunter-Lab	22.5692, -11.5559, 13.6873

Details

The CIELCh color **27, 39.631, 117.798** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 49.173, 308.240**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 39.619, 117.697**, and **8, 18.838, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 39.730, 117.798**, and if you desaturate by 10%, it is **27, 36.672, 117.837**.

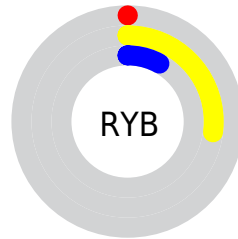
Distribution



Red (20%)

Green (27%)

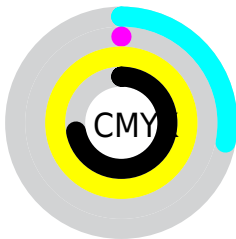
Blue (0%)



Red (0%)

Yellow (27%)

Blue (8%)

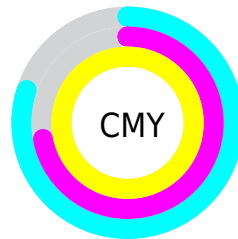


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (72%)



Cyan (80%)


Magenta (72%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 39.631, 117.798 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 27, 39.631, 117.798 by changing the saturation by 10% instead.

 27, 39.631,
117.798


 27, 39.631,
117.798

 100, 39.631,
117.798

 17, 39.631,
117.798


 47, 39.631,
117.798

 7, 39.631, 117.798

 57, 39.631,
117.798

 0, 39.631, 117.798

 67, 39.631,
117.798

 77, 39.631,
117.798

 87, 39.631,
117.798

 97, 39.631,

117.798

■ 27, 39.631,
117.798

■ 27, 39.631,
117.798

■ 27, 39.730,
117.798

■ 27, 36.672,
117.837

■ 27, 33.775,
117.785

■ 28, 30.361,
117.933

■ 28, 26.512,
118.253

■ 28, 22.365,
118.682

■ 28, 18.022,
119.175

■ 29, 13.555,
119.701

■ 29, 9.014, 120.237

■ 29, 4.435, 120.769

Harmonies

Complementary

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



27, 39.631, 117.798



5, 49.173, 308.240

Rectangle

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



27, 39.631, 117.798



27, 39.631, 167.798



27, 39.631, 297.798



27, 39.631, 347.798

Sweetspot

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



27, 39.631, 117.799



38, 17.105, 119.618



14, 31.776, 43.734



18, 11.489, 119.519



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 39.631, 117.799



36, 47.981, 118.227



25, 45.302, 133.455



14, 2.591, 120.825



38, 50.776, 118.366



83, 93.299, 119.367

Inverse Universe

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



5, 49.173, 308.240



9, 61.198, 308.786



11, 46.361, 320.900



13, 2.633, 301.719



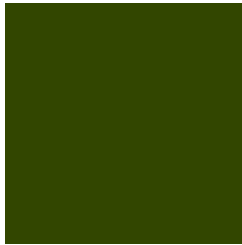
10, 64.793, 308.687



31, 119.378, 308.031

Previews

White Background



This preview shows how the CIELCh color 27, 39.631, 117.798 looks on a white background.

Color Contrast Check

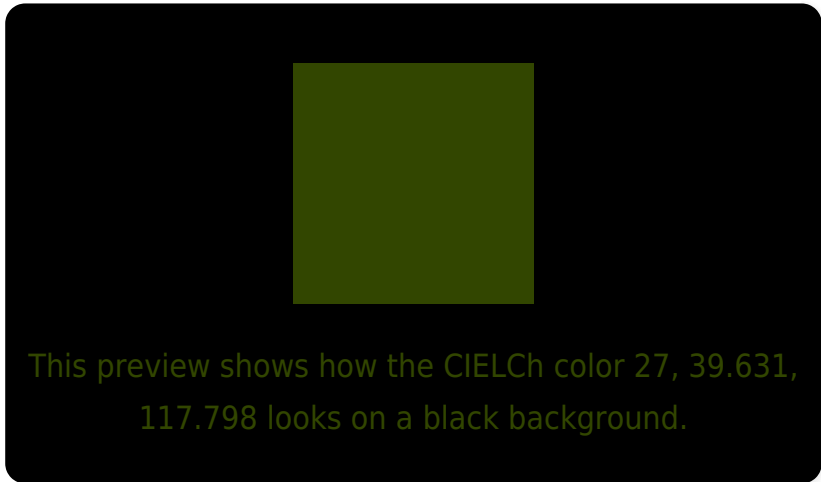
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

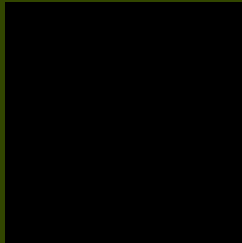
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 39.631, 117.798

Background



This preview shows how black text looks on a background with the CIELCh color 27, 39.631, 117.798.



This preview shows how white text looks on a background with the CIELCh color 27, 39.631, 117.798.

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

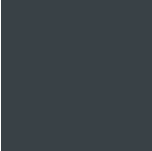
27, 39.631, 117.798

Protanopia

27, 35.982, 96.040

Deuteranopia

27, 31.227, 83.747



Tritanopia
27, 4.624, 243.965

Trichromacy



Original Color
27, 39.631, 117.798

Protanomaly
27, 36.506, 104.621

Deuteranomaly
27, 32.601, 97.866

Tritanomaly
27, 15.256, 129.321

Monochromacy



Original Color
27, 39.631, 117.798

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 16.532, 118.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 39.631, 117.798 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(50, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 70, 0)  
}
```

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(50, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 70, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 39.631, 117.798 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(50, 70, 0) }
```

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

```
.border{ border-color:rgb(50, 70, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 70, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 70, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(50, 70, 0); box-shadow:4px  
4px 4px 4px rgb(50, 70, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 39.631, 117.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 70, 0) }
```

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

```
.background{ background-color: rgb(50, 70,  
0) }
```

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