

Converting Colors

CIELCh(27, 41.450, 121.728)

Have a look what the booklet for
CIELCh(27, 41.450, 121.728)
contains.

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Color

CIELCh(27, 41.081, 121.939)

Conversions

Conversions Part 1

Format	Color
Hex	2C4700
RGB	44, 71, 0
RGB Percent	17%, 28%, 0%
CMY	0.8261, 0.7202, 0.9987
CMYK	0.38, 0.00, 1.00, 0.72
HSL	83°, 99%, 14%
HSV	83°, 100%, 28%
XYZ	3.3302, 5.0937, 0.8173
YIQ	54.8330, 6.6990, -27.8050

Conversions

Conversions Part 2

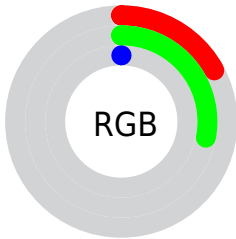
Format	Color
RYB	0, 71, 27
Decimal	2901760
CIELab	27.00, -21.73, 34.86
CIELCh	27, 41.081, 121.939
Yxy	5.0937, 0.3604, 0.5512
Android (android.graphics.Color)	4281091840 (0xFF2C4700)
YUV	54.8330, -27.0327, -9.5005
Hunter-Lab	22.5692, -13.1571, 13.6514

Details

The CIELCh color **27, 41.081, 121.939** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 49.627, 310.304**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 41.511, 122.025**, and **8, 19.932, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 41.229, 121.940**, and if you desaturate by 10%, it is **27, 37.982, 121.935**.

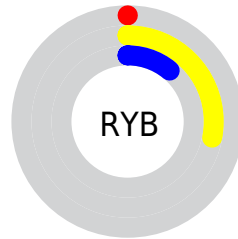
Distribution



Red (17%)

Green (28%)

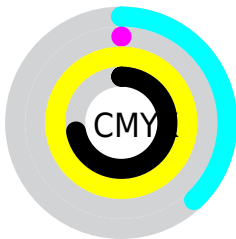
Blue (0%)



Red (0%)

Yellow (28%)

Blue (11%)

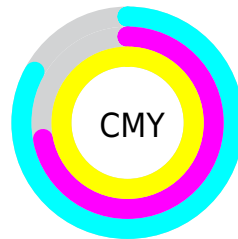


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (72%)



Cyan (83%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 41.081, 121.939 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, 41.081, 121.939 by changing the saturation by 10% instead.

 27, 41.081,
121.939


 27, 41.081,
121.939

 100, 41.081,
121.939


 17, 41.081,
121.939


 47, 41.081,
121.939


 7, 41.081, 121.939

 57, 41.081,
121.939

 0, 41.081, 121.939

 67, 41.081,
121.939

 77, 41.081,
121.939

 87, 41.081,
121.939

 97, 41.081,

121.939

■ 27, 41.081,
121.939

■ 27, 41.081,
121.939

■ 27, 41.229,
121.940

■ 27, 37.982,
121.935

■ 27, 34.936,
121.797

■ 28, 31.357,
121.880

■ 28, 27.344,
122.142

■ 28, 23.035,
122.516

■ 29, 18.532,
122.954

■ 29, 13.910,
123.421

■ 29, 9.219, 123.894

■ 30, 4.498, 124.363

Harmonies

Complementary

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



27, 41.081, 121.939



6, 49.627, 310.304

Rectangle

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



27, 41.081, 121.939



27, 41.081, 171.939



27, 41.081, 301.939



27, 41.081, 351.939

Sweetspot

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



27, 41.081, 121.940



37, 17.411, 123.344



16, 31.178, 50.253



18, 11.696, 123.257



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, 41.081, 121.940



35, 49.301, 122.424



26, 46.482, 134.630



14, 2.632, 124.406



38, 52.194, 122.585



82, 96.180, 123.737

Inverse Universe

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



6, 49.627, 310.304



10, 60.147, 310.263



13, 46.379, 323.603



13, 2.670, 305.166



11, 63.680, 310.151



33, 117.344, 309.386

Previews

White Background



This preview shows how the CIELCh color 27, 41.081, 121.939 looks on a white background.

Color Contrast Check

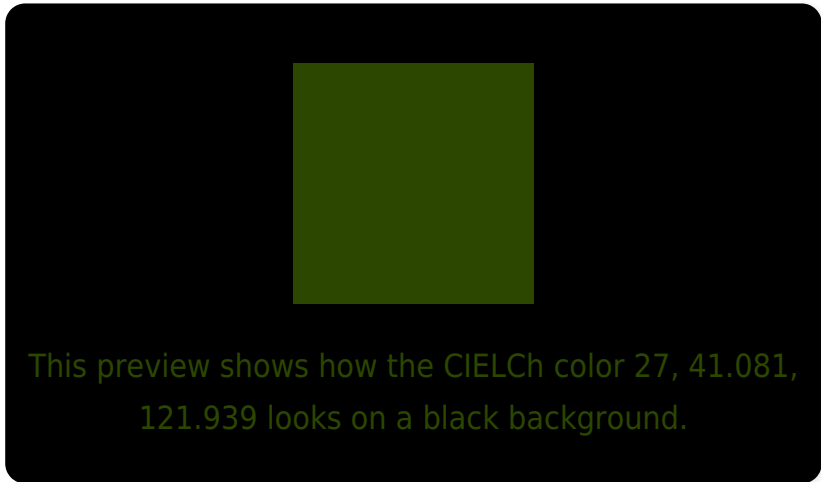
Large Text (above 18pt) WCAG AA ✓ Pass

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

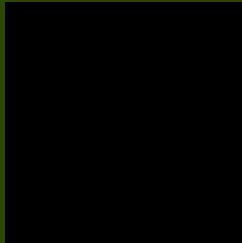
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 41.081, 121.939

Background



This preview shows how black text looks on a background with the CIELCh color 27, 41.081, 121.939.



This preview shows how white text looks on a background with the CIELCh color 27, 41.081, 121.939.

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, 41.081, 121.939

Protanopia

27, 35.982, 96.040

Deuteranopia

27, 30.581, 84.495



Tritanopia
27, 6.810, 233.865

Trichromacy



Original Color
27, 41.081, 121.939

Protanomaly
27, 37.008, 107.041

Deuteranomaly
27, 32.469, 101.718

Tritanomaly
27, 16.732, 139.058

Monochromacy



Original Color
27, 41.081, 121.939

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 17.529, 123.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 41.081, 121.939 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(44, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 71, 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(44, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 71, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 41.081, 121.939 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(44, 71, 0) }
```

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

```
.border{ border-color:rgb(44, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 71, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(44, 71, 0); box-shadow:4px  
4px 4px 4px rgb(44, 71, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 41.081, 121.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 71, 0) }
```

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

```
.background{ background-color: rgb(44, 71,  
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](#).

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