

Converting Colors

CIELCh(27, 58.721, 145.178)

Have a look what the booklet for
CIELCh(27, 58.721, 145.178)
contains.

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Color

CIELCh(28, 50.432, 136.297)

Conversions

Conversions Part 1

Format	Color
Hex	004E01
RGB	0, 78, 1
RGB Percent	0%, 31%, 0%
CMY	0.9997, 0.6939, 0.9959
CMYK	1.00, 0.00, 0.99, 0.69
HSL	121°, 100%, 15%
HSV	121°, 100%, 31%
XYZ	2.7338, 5.4574, 0.9390
YIQ	45.9000, -21.7710, -40.4830

Conversions

Conversions Part 2

Format	Color
RYB	0, 77, 78
Decimal	19969
CIELab	28.00, -36.46, 34.84
CIELCh	28, 50.432, 136.297
Yxy	5.4574, 0.2994, 0.5977
Android (android.graphics.Color)	4278210049 (0xFF004E01)
YUV	45.9000, -22.1357, -40.2543
Hunter-Lab	23.3610, -19.9927, 13.9695

Details

The CIELCh color **28, 50.432, 136.297** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **16, 48.553, 328.687**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 50.412, 136.104**, and **11, 25.980, 143.748** is the 20% darker color. If you saturate the color by 10%, you get **28, 50.460, 136.290**, and if you desaturate by 10%, it is **28, 47.237, 137.210**.

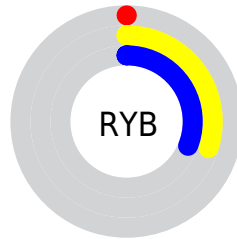
Distribution



Red (0%)

Green (31%)

Blue (0%)



Red (0%)

Yellow (30%)

Blue (31%)



Cyan (100%)

Magenta (0%)

Yellow (99%)

Black (69%)



Cyan (100%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 50.432, 136.297 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 28, 50.432, 136.297 by changing the saturation by 10% instead.

 28, 50.432,
136.297

 28, 50.432,
136.297

 100, 50.432,
136.297

 18, 50.432,
136.297


 48, 50.432,
136.297


 8, 50.432, 136.297

 58, 50.432,
136.297

 0, 50.432, 136.297

 68, 50.432,
136.297

 78, 50.432,
136.297

 88, 50.432,
136.297

 98, 50.432,

136.297

■ 28, 50.432,
136.297

■ 28, 50.432,
136.297

■ 28, 50.460,
136.290

■ 28, 47.237,
137.210

■ 28, 43.949,
138.116

■ 29, 39.799,
139.147

■ 29, 34.954,
140.196

■ 30, 29.600,
141.197

■ 30, 23.897,
142.112

■ 31, 17.981,
142.927

■ 31, 11.962,
143.642

■ 32, 5.928, 144.269

Harmonies

Complementary

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



28, 50.432, 136.297



16, 48.553, 328.687

Rectangle

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



28, 50.432, 136.297



28, 50.432, 186.297



28, 50.432, 316.297



28, 50.432, 6.297

Sweetspot

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



28, 50.432, 136.298



40, 22.496, 142.835



32, 41.073, 102.856



19, 15.147, 142.662



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 50.432, 136.298



37, 60.818, 136.219



28, 36.017, 151.478



15, 3.279, 144.345



80, 110.398, 136.093

Inverse Universe

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



16, 48.553, 328.687



23, 58.430, 328.706



14, 36.281, 357.868



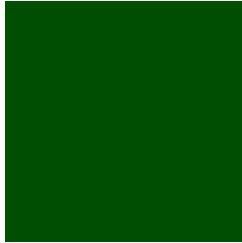
14, 3.285, 325.177



54, 105.667, 328.740

Previews

White Background



This preview shows how the CIELCh color 28, 50.432, 136.297 looks on a white background.

Color Contrast Check

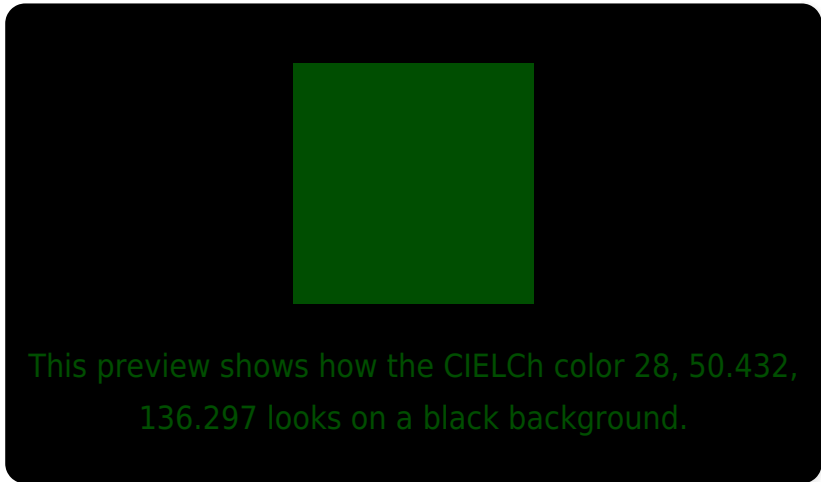
Large Text (above 18pt) WCAG AA ✓ Pass

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

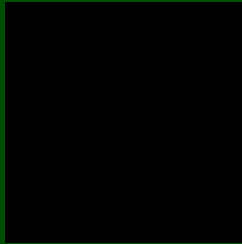
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 50.432, 136.297

Background



This preview shows how black text looks on a background with the CIELCh color 28, 50.432, 136.297.



This preview shows how white text looks on a background with the CIELCh color 28, 50.432, 136.297.

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
28, 50.432, 136.297

Protanopia
28, 37.230, 96.266

Deuteranopia
28, 30.547, 82.699



Tritanopia
28, 14.393, 210.481

Trichromacy



Original Color
28, 50.432, 136.297

Protanomaly
27, 40.448, 119.535

Deuteranomaly
26, 33.987, 116.766

Tritanomaly
28, 26.388, 158.070

Monochromacy



Original Color
28, 50.432, 136.297

Achromatopsia
19, 0.004, 296.813

Achromatomaly
22, 22.875, 142.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 50.432, 136.297 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(0, 78, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 1)  
}
```

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(0, 78, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 50.432, 136.297 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(0, 78, 1) }
```

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

```
.border{ border-color:rgb(0, 78, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 78, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 78, 1); box-shadow:4px  
4px 4px 4px rgb(0, 78, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 50.432, 136.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 1) }
```

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

```
.background{ background-color: rgb(0, 78,  
1) }
```

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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