

Converting Colors

CIELCh(30, 52.673, 136.353)

Have a look what the booklet for
CIELCh(30, 52.673, 136.353)
contains.

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Color

CIELCh(30, 52.657, 136.261)

Conversions

Conversions Part 1

Format	Color
Hex	005301
RGB	0, 83, 1
RGB Percent	0%, 33%, 0%
CMY	0.9981, 0.6734, 0.9950
CMYK	0.99, 0.00, 0.98, 0.67
HSL	121°, 99%, 16%
HSV	121°, 99%, 33%
XYZ	3.1280, 6.2359, 1.0749
YIQ	48.8350, -23.1460, -43.0980

Conversions

Conversions Part 2

Format	Color
RYB	0, 82, 83
Decimal	21249
CIELab	30.00, -38.04, 36.41
CIELCh	30, 52.657, 136.261
Yxy	6.2359, 0.2997, 0.5974
Android (android.graphics.Color)	4278211329 (0xFF005301)
YUV	48.8350, -23.5827, -42.8283
Hunter-Lab	24.9718, -21.3413, 14.9281

Details

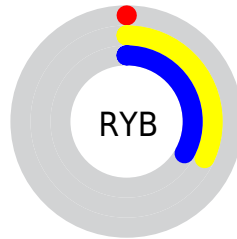
The CIELCh color **30, 52.657, 136.261** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **18, 50.727, 328.564**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 52.655, 136.255**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **30, 52.853, 136.205**, and if you desaturate by 10%, it is **30, 49.520, 137.126**.

Distribution



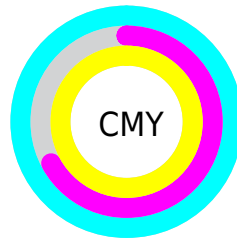
- Red (0%)
- Green (33%)
- Blue (0%)



- Red (0%)
- Yellow (32%)
- Blue (33%)



- Cyan (99%)
- Magenta (0%)
- Yellow (98%)
- Black (67%)





- Cyan (100%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 52.657, 136.261 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 30, 52.657, 136.261 by changing the saturation by 10% instead.


 30, 52.657,
136.261


 30, 52.657,
136.261

 100, 52.657,
136.261


 20, 52.657,
136.261


 50, 52.657,
136.261


 10, 52.657,
136.261

 60, 52.657,
136.261

 0, 52.657, 136.261

 70, 52.657,
136.261

 80, 52.657,
136.261

 90, 52.657,
136.261

■ 30, 52.657,
136.261

■ 30, 52.657,
136.261

■ 30, 52.853,
136.205

■ 30, 49.520,
137.126

■ 30, 46.116,
138.025

■ 31, 41.757,
139.056

■ 31, 36.648,
140.111

■ 32, 30.989,
141.119

■ 32, 24.956,
142.040

■ 33, 18.697,
142.861

■ 34, 12.330,

143.579

■ 35, 5.950, 144.210

Harmonies

Complementary

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



30, 52.657, 136.261



18, 50.727, 328.564

Rectangle

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



30, 52.657, 136.261



30, 52.657, 186.261



30, 52.657, 316.261



30, 52.657, 6.261

Sweetspot

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



30, 52.657, 136.262



42, 23.468, 142.738



34, 42.790, 102.879



20, 15.814, 142.551



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 52.657, 136.262



39, 63.039, 136.160



30, 37.691, 151.311



16, 3.472, 144.252



38, 61.969, 136.164



81, 111.377, 136.073

Inverse Universe

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



18, 50.727, 328.564



24, 60.615, 328.587



16, 37.762, 358.157



15, 3.478, 325.100



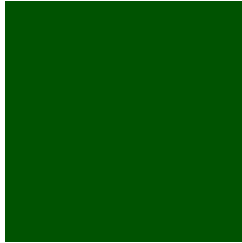
24, 59.593, 328.586



55, 106.818, 328.611

Previews

White Background



This preview shows how the CIE LCh color 30, 52.657, 136.261 looks on a white background.

Color Contrast Check

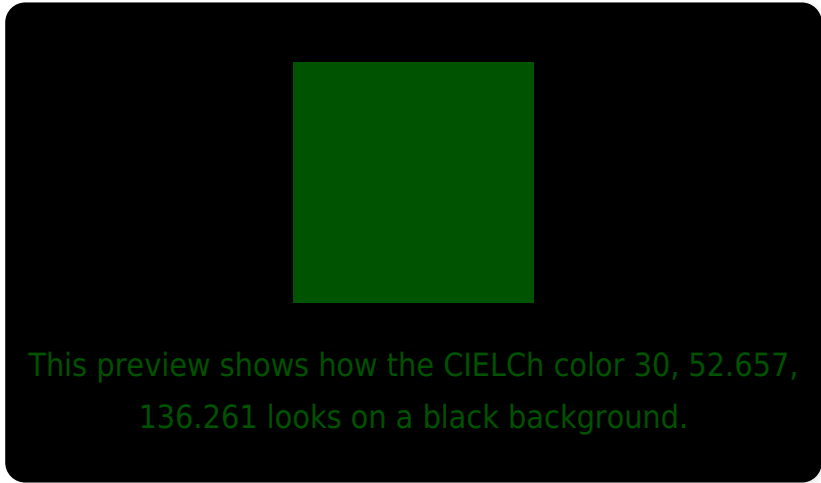
Large Text (above 18pt) WCAG AA ✓ Pass

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

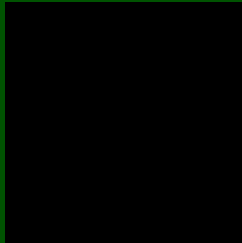
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 52.657, 136.261

Background



This preview shows how black text looks on a background with the CIELCh color 30, 52.657, 136.261.



This preview shows how white text looks on a background with the CIELCh color 30, 52.657, 136.261.

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
30, 52.657, 136.261

Protanopia
30, 38.862, 95.772

Deuteranopia
30, 32.065, 82.900



Tritanopia
30, 15.034, 214.957

Trichromacy



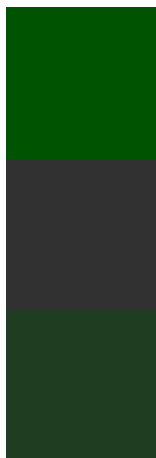
Original Color
30, 52.657, 136.261

Protanomaly
29, 42.054, 119.407

Deuteranomaly
29, 35.841, 116.729

Tritanomaly
29, 26.932, 159.318

Monochromacy



Original Color
30, 52.657, 136.261

Achromatopsia
20, 0.004, 296.813

Achromatomaly
23, 23.498, 142.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 52.657, 136.261 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, 83, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 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, 83, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 52.657, 136.261 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, 83, 1) }
```

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

```
.border{ border-color:rgb(0, 83, 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, 83, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 83, 1); box-shadow:4px  
4px 4px 4px rgb(0, 83, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 52.657, 136.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 1) }
```

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

```
.background{ background-color: rgb(0, 83,  
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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