

Converting Colors

CIELCh(29, 54.883, 145.444)

Have a look what the booklet for
CIELCh(29, 54.883, 145.444)
contains.

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Color

CIELCh(30, 49.200, 139.093)

Conversions

Conversions Part 1

Format	Color
Hex	00530D
RGB	0, 83, 13
RGB Percent	0%, 33%, 5%
CMY	0.9992, 0.6740, 0.9485
CMYK	1.00, 0.00, 0.84, 0.67
HSL	129°, 100%, 16%
HSV	129°, 100%, 33%
XYZ	3.1787, 6.2359, 1.4214
YIQ	50.2030, -26.9980, -39.3660

Conversions

Conversions Part 2

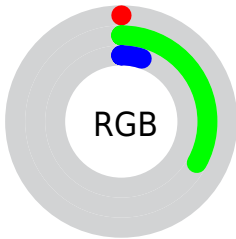
Format	Color
RYB	0, 72, 83
Decimal	21261
CIELab	30.00, -37.18, 32.22
CIELCh	30, 49.200, 139.093
Yxy	6.2359, 0.2933, 0.5755
Android (android.graphics.Color)	4278211341 (0xFF00530D)
YUV	50.2030, -18.3411, -44.0280
Hunter-Lab	24.9718, -20.9791, 14.1054

Details

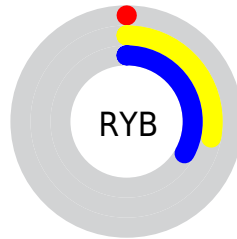
The CIELCh color **30, 49.200, 139.093** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **17, 45.668, 334.897**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 49.448, 139.000**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **30, 49.272, 139.075**, and if you desaturate by 10%, it is **30, 46.062, 140.125**.

Distribution



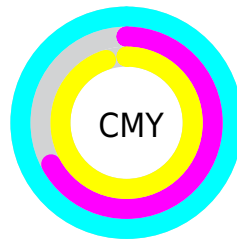
- Red (0%)
- Green (33%)
- Blue (5%)



- Red (0%)
- Yellow (28%)
- Blue (33%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (67%)





- Cyan (100%)
- Magenta (67%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 49.200, 139.093 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, 49.200, 139.093 by changing the saturation by 10% instead.


 30, 49.200,
139.093


 30, 49.200,
139.093

 100, 49.200,
139.093


 20, 49.200,
139.093


 50, 49.200,
139.093


 10, 49.200,
139.093

 60, 49.200,
139.093

 0, 49.200, 139.093

 70, 49.200,
139.093

 80, 49.200,
139.093

 90, 49.200,
139.093

■ 30, 49.200,
139.093

■ 30, 49.200,
139.093

■ 30, 49.272,
139.075

■ 30, 46.062,
140.125

■ 30, 42.418,
141.506

■ 31, 38.145,
142.846

■ 31, 33.353,
144.087

■ 32, 28.164,
145.207

■ 32, 22.692,
146.200

■ 33, 17.042,
147.071

■ 34, 11.305,

147.833

■ 34, 5.556, 148.505

Harmonies

Complementary

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



30, 49.200, 139.093



17, 45.668, 334.897

Rectangle

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



30, 49.200, 139.093



30, 49.200, 189.093



30, 49.200, 319.093



30, 49.200, 9.093

Sweetspot

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



30, 49.200, 139.094



42, 21.183, 146.968



33, 43.391, 111.209



20, 14.275, 146.772



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, 49.200, 139.094



39, 59.586, 138.501



31, 32.099, 160.174



16, 3.134, 148.573



38, 58.514, 138.548



81, 107.552, 137.517

Inverse Universe

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



17, 45.668, 334.897



23, 54.351, 335.173



15, 37.463, 11.438



15, 3.142, 329.479



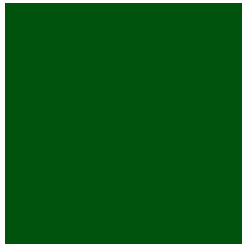
23, 53.451, 335.150



53, 95.102, 335.718

Previews

White Background



This preview shows how the CIELCh color 30, 49.200, 139.093 looks on a white background.

Color Contrast Check

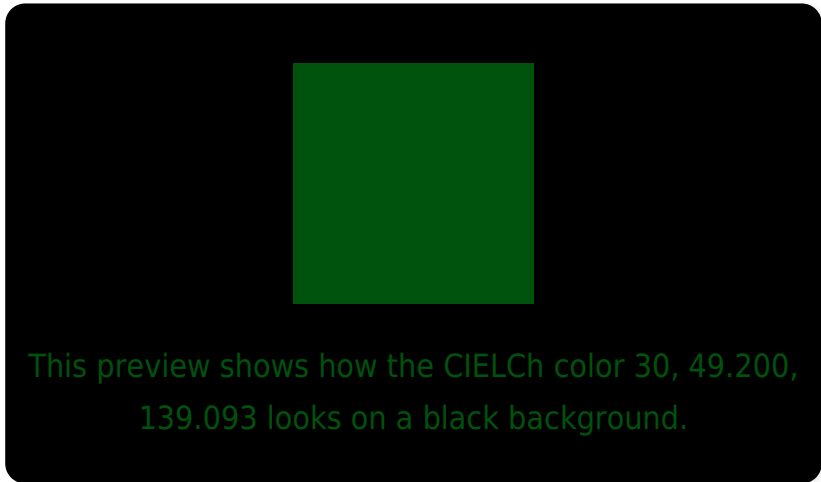
Large Text (above 18pt) WCAG AA ✓ Pass

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

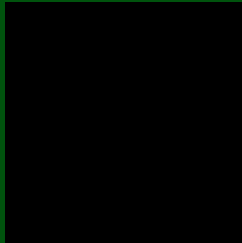
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 49.200, 139.093

Background



This preview shows how black text looks on a background with the CIELCh color 30, 49.200, 139.093.



This preview shows how white text looks on a background with the CIELCh color 30, 49.200, 139.093.

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, 49.200, 139.093

Protanopia

30, 35.039, 95.742

Deuteranopia

30, 30.198, 82.015



Tritanopia
30, 15.034, 214.957

Trichromacy



Original Color
30, 49.200, 139.093

Protanomaly
29, 38.158, 121.664

Deuteranomaly
29, 32.968, 118.298

Tritanomaly
30, 25.190, 163.582

Monochromacy



Original Color
30, 49.200, 139.093

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 21.370, 145.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 49.200, 139.093 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, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 49.200, 139.093 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, 13) }
```

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

```
.border{ border-color:rgb(0, 83, 13) }
```

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, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 83, 13); box-shadow:4px  
4px 4px 4px rgb(0, 83, 13) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 49.200, 139.093 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, 13) }
```

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

```
.background{ background-color: rgb(0, 83,  
13) }
```

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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