

Converting Colors

CIELCh(29, 53.015, 145.843)

Have a look what the booklet for
CIELCh(29, 53.015, 145.843)
contains.

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Color

CIELCh(30, 47.749, 140.015)

Conversions

Conversions Part 1

Format	Color
Hex	025311
RGB	2, 83, 17
RGB Percent	1%, 33%, 7%
CMY	0.9936, 0.6745, 0.9333
CMYK	0.98, 0.00, 0.79, 0.67
HSL	131°, 96%, 17%
HSV	131°, 98%, 33%
XYZ	3.2142, 6.2359, 1.5650
YIQ	51.2570, -27.0900, -37.6980

Conversions

Conversions Part 2

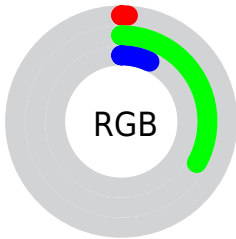
Format	Color
R_YB	2, 70, 83
Decimal	152337
CIE _{Lab}	30.00, -36.59, 30.68
CIE _{LCh}	30, 47.749, 140.015
Yxy	6.2359, 0.2918, 0.5661
Android (android.graphics.Color)	4278342417 (0xFF025311)
YUV	51.2570, -16.8887, -43.1984
Hunter-Lab	24.9718, -20.7251, 13.7645

Details

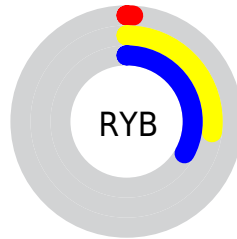
The CIELCh color **30, 47.749, 140.015** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **17, 44.173, 336.468**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 48.144, 140.029**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **30, 48.352, 139.830**, and if you desaturate by 10%, it is **30, 44.486, 141.244**.

Distribution



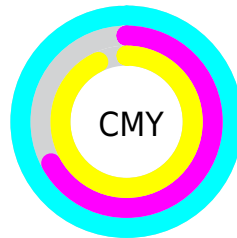
- Red (1%)
- Green (33%)
- Blue (7%)



- Red (1%)
- Yellow (27%)
- Blue (33%)



- Cyan (98%)
- Magenta (0%)
- Yellow (79%)
- Black (67%)





- Cyan (99%)
- Magenta (67%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 47.749, 140.015 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, 47.749, 140.015 by changing the saturation by 10% instead.


 30, 47.749,
140.015


 30, 47.749,
140.015

 100, 47.749,
140.015


 20, 47.749,
140.015


 50, 47.749,
140.015


 10, 47.749,
140.015

 60, 47.749,
140.015

 0, 47.749, 140.015

 70, 47.749,
140.015

 80, 47.749,
140.015

 90, 47.749,
140.015

■ 30, 47.749,
140.015

■ 30, 47.749,
140.015

■ 30, 48.352,
139.830

■ 30, 44.486,
141.244

■ 30, 40.747,
142.700

■ 31, 36.443,
144.070

■ 31, 31.675,
145.320

■ 32, 26.553,
146.437

■ 32, 21.179,
147.422

■ 33, 15.651,
148.286

■ 34, 10.052,

149.042

■ 35, 4.451, 149.717

Harmonies

Complementary

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



30, 47.749, 140.015



17, 44.173, 336.468

Rectangle

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



30, 47.749, 140.015



30, 47.749, 190.015



30, 47.749, 320.015



30, 47.749, 10.015

Sweetspot

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



30, 47.749, 140.016



42, 19.994, 148.126



33, 43.079, 112.986



20, 13.552, 147.920



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, 47.749, 140.016



39, 58.604, 139.203



31, 30.500, 162.836



16, 3.061, 149.672



38, 57.544, 139.255



81, 106.054, 138.103

Inverse Universe

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



17, 44.173, 336.468



23, 53.065, 336.948



15, 37.150, 13.847



15, 3.070, 330.598



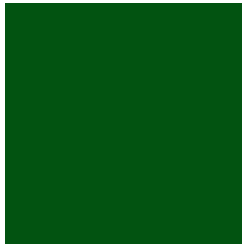
22, 52.190, 336.918



53, 92.721, 337.654

Previews

White Background



This preview shows how the CIELCh color 30, 47.749, 140.015 looks on a white background.

Color Contrast Check

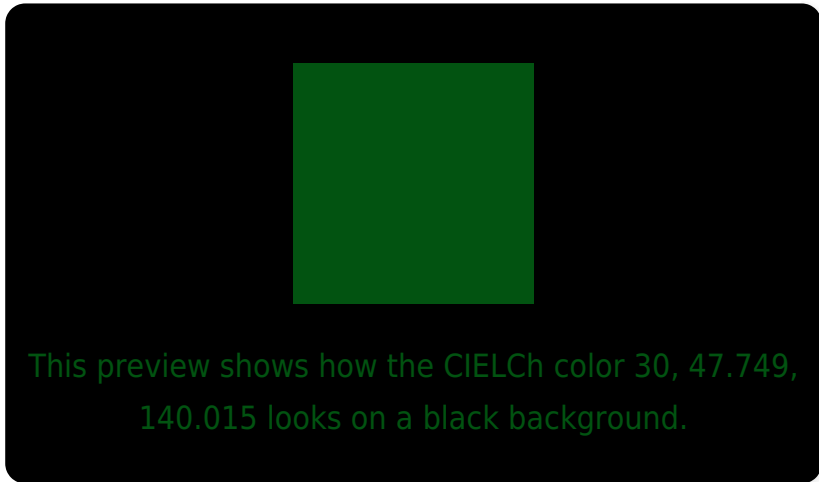
Large Text (above 18pt) WCAG AA ✓ Pass

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

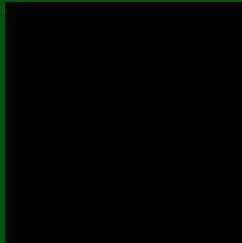
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 47.749, 140.015

Background



This preview shows how black text looks on a background with the CIELCh color 30, 47.749, 140.015.



This preview shows how white text looks on a background with the CIELCh color 30, 47.749, 140.015.

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](#).

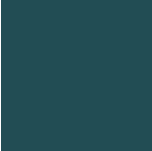
Dichromacy



Original Color
30, 47.725, 139.965

Protanopia
30, 33.526, 95.695

Deuteranopia
30, 29.217, 81.488



Tritanopia
30, 15.269, 214.649

Trichromacy



Original Color
30, 47.725, 139.965

Protanomaly
29, 36.537, 121.927

Deuteranomaly
29, 32.052, 118.837

Tritanomaly
30, 24.355, 165.926

Monochromacy



Original Color
30, 47.725, 139.965

Achromatopsia
21, 0.004, 296.813

Achromatomaly
24, 20.811, 147.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 47.749, 140.015 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(2, 83, 17)` looks like.

```
.text, #text, p{  
    color:rgb(2, 83, 17)  
}
```

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(2, 83, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 83, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 47.749, 140.015 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(2, 83, 17) }
```

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

```
.border{ border-color:rgb(2, 83, 17) }
```

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

Here you see how a box with a 4 pixel rgb(2, 83, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 83, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 83, 17); box-shadow:4px  
4px 4px 4px rgb(2, 83, 17) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 47.749, 140.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 83, 17) }
```

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

```
.background{ background-color: rgb(2, 83,  
17) }
```

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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