

Converting Colors

CIELCh(29, 53.362, 143.535)

Have a look what the booklet for
CIELCh(29, 53.362, 143.535)
contains.

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Color

CIELCh(30, 49.298, 138.660)

Conversions

Conversions Part 1

Format	Color
Hex	02530C
RGB	2, 83, 12
RGB Percent	1%, 33%, 5%
CMY	0.9929, 0.6742, 0.9521
CMYK	0.98, 0.00, 0.85, 0.67
HSL	128°, 96%, 17%
HSV	128°, 98%, 33%
XYZ	3.1888, 6.2359, 1.3904
YIQ	50.6870, -25.4850, -39.2530

Conversions

Conversions Part 2

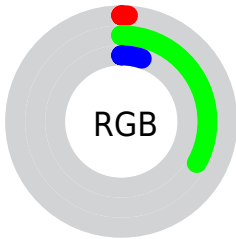
Format	Color
R_YB	2, 74, 83
Decimal	152332
CIE _{Lab}	30.00, -37.01, 32.56
CIE _{LCh}	30, 49.298, 138.660
Yxy	6.2359, 0.2948, 0.5766
Android (android.graphics.Color)	4278342412 (0xFF02530C)
YUV	50.6870, -19.0727, -42.6985
Hunter-Lab	24.9718, -20.9067, 14.1790

Details

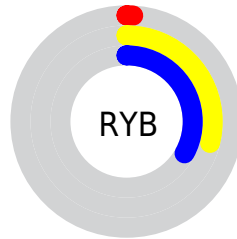
The CIELCh color **30, 49.298, 138.660** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **17, 46.096, 333.459**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 49.693, 138.389**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **30, 49.912, 138.512**, and if you desaturate by 10%, it is **30, 46.144, 139.693**.

Distribution



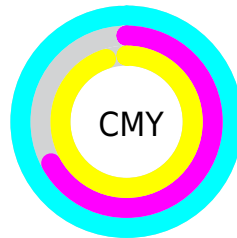
- Red (1%)
- Green (33%)
- Blue (5%)



- Red (1%)
- Yellow (29%)
- Blue (33%)



- Cyan (98%)
- Magenta (0%)
- Yellow (85%)
- Black (67%)




- Cyan (99%)
- Magenta (67%)
- Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 49.298, 138.660 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, 49.298, 138.660 by changing the saturation by 10% instead.

 30, 49.298,
138.660

 30, 49.298,
138.660

 100, 49.298,
138.660


 20, 49.298,
138.660


 50, 49.298,
138.660

 10, 49.298,
138.660

 60, 49.298,
138.660

 0, 49.298, 138.660

 70, 49.298,
138.660

 80, 49.298,
138.660

 90, 49.298,
138.660

■ 30, 49.298,
138.660

■ 30, 49.298,
138.660

■ 30, 49.912,
138.512

■ 30, 46.144,
139.693

■ 30, 42.380,
141.011

■ 31, 37.957,
142.292

■ 31, 33.007,
143.485

■ 32, 27.662,
144.564

■ 32, 22.043,
145.521

■ 33, 16.259,
146.360

■ 34, 10.402,

147.093

■ 35, 4.545, 147.743

Harmonies

Complementary

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



30, 49.298, 138.660



17, 46.096, 333.459

Rectangle

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



30, 49.298, 138.660



30, 49.298, 188.660



30, 49.298, 318.660



30, 49.298, 8.660

Sweetspot

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



30, 49.298, 138.661



42, 20.891, 146.190



33, 42.601, 109.449



20, 14.161, 145.989



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, 49.298, 138.661



39, 60.327, 137.983



31, 32.874, 158.238



16, 3.196, 147.689



38, 59.247, 138.026



81, 108.622, 137.106

Inverse Universe

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



17, 46.096, 333.459



23, 55.471, 333.771



15, 36.804, 7.897



15, 3.204, 328.580



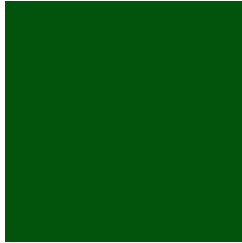
23, 54.549, 333.754



53, 97.185, 334.194

Previews

White Background



This preview shows how the CIELCh color 30, 49.298, 138.660 looks on a white background.

Color Contrast Check

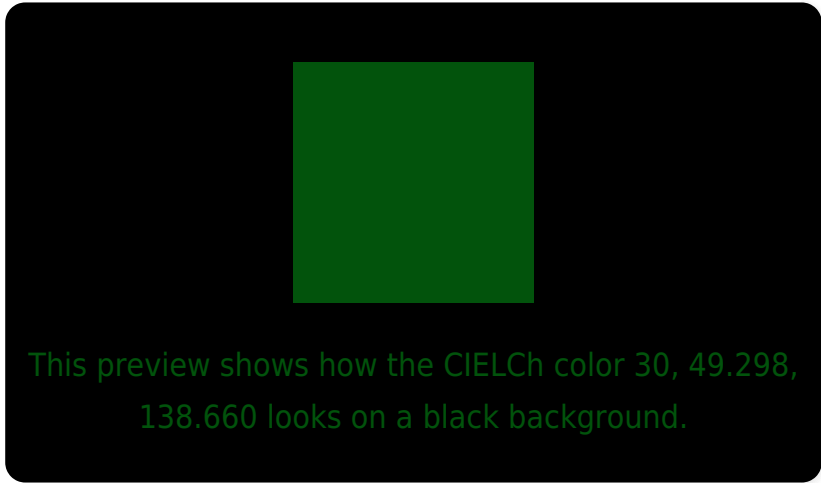
Large Text (above 18pt) WCAG AA ✓ Pass

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

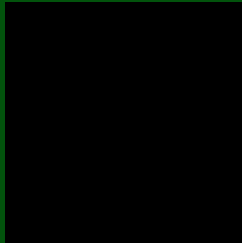
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 49.298, 138.660

Background



This preview shows how black text looks on a background with the CIELCh color 30, 49.298, 138.660.



This preview shows how white text looks on a background with the CIELCh color 30, 49.298, 138.660.

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, 49.309, 138.584

Protanopia

30, 35.393, 95.750

Deuteranopia

30, 30.678, 82.256



Tritanopia
30, 15.034, 214.957

Trichromacy



Original Color
30, 49.309, 138.584

Protanomaly
29, 38.332, 120.817

Deuteranomaly
29, 33.412, 118.045

Tritanomaly
30, 25.005, 163.350

Monochromacy



Original Color
30, 49.309, 138.584

Achromatopsia
21, 0.004, 296.813

Achromatomaly
24, 21.843, 144.949

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 49.298, 138.660 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(2, 83, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 83, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 49.298, 138.660 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, 12) }
```

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

```
.border{ border-color:rgb(2, 83, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 83, 12); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 83, 12); box-shadow:4px  
4px 4px 4px rgb(2, 83, 12) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 49.298, 138.660 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, 12) }
```

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

```
.background{ background-color: rgb(2, 83,  
12) }
```

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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