

Converting Colors

CIELCh(29, 48.463, 136.956)

Have a look what the booklet for
CIELCh(29, 48.463, 136.956)
contains.

CIELCh(29, 48.409, 136.957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(29, 48.409, 136.957)

Conversions

Conversions Part 1

Format	Color
Hex	085008
RGB	8, 80, 8
RGB Percent	3%, 31%, 3%
CMY	0.9672, 0.6855, 0.9678
CMYK	0.90, 0.00, 0.90, 0.69
HSL	120°, 81%, 17%
HSV	120°, 90%, 31%
XYZ	3.0327, 5.8380, 1.2030
YIQ	50.2640, -19.8000, -37.6560

Conversions

Conversions Part 2

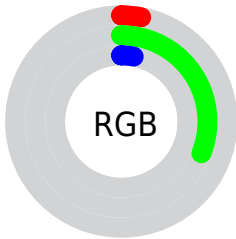
Format	Color
RYB	8, 80, 80
Decimal	544776
CIELab	29.00, -35.38, 33.04
CIELCh	29, 48.409, 136.957
Yxy	5.8380, 0.3010, 0.5795
Android (android.graphics.Color)	4278734856 (0xFF085008)
YUV	50.2640, -20.8362, -37.0655
Hunter-Lab	24.1619, -19.8791, 13.9614

Details

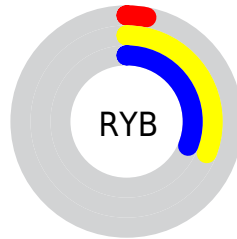
The CIELCh color **29, 48.409, 136.957** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 47.142, 327.975**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 48.263, 136.798**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **29, 51.644, 136.022**, and if you desaturate by 10%, it is **29, 45.098, 137.824**.

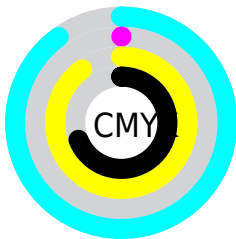
Distribution



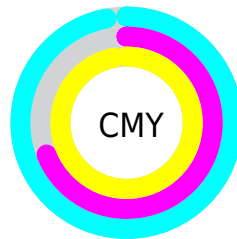
- Red (3%)
- Green (31%)
- Blue (3%)



- Red (3%)
- Yellow (31%)
- Blue (31%)



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (69%)




- Cyan (97%)
- Magenta (69%)
- Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 48.409, 136.957 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 29, 48.409, 136.957 by changing the saturation by 10% instead.

 29, 48.409,
136.957

 29, 48.409,
136.957

 100, 48.409,
136.957

 19, 48.409,
136.957


 49, 48.409,
136.957

 9, 48.409, 136.957

 59, 48.409,
136.957

 0, 48.409, 136.957

 69, 48.409,
136.957

 79, 48.409,
136.957

 89, 48.409,
136.957

 99, 48.409,

136.957

■ 29, 48.409,
136.957

■ 29, 48.409,
136.957

■ 29, 51.644,
136.022

■ 29, 45.098,
137.824

■ 29, 51.730,
135.995

■ 29, 40.873,
138.818

■ 30, 35.908,
139.847

■ 30, 30.403,
140.837

■ 31, 24.530,
141.747

■ 32, 18.433,
142.559

■ 32, 12.229,
143.272

■ 33, 6.009, 143.897

■ 34, 0.158, 323.558

Harmonies

Complementary

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



29, 48.409, 136.957



18, 47.142, 327.975

Rectangle

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



29, 48.409, 136.957



29, 48.409, 186.957



29, 48.409, 316.957



29, 48.409, 6.957

Sweetspot

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



29, 48.409, 136.958



41, 20.833, 142.693



33, 38.579, 102.408



20, 14.149, 142.555



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



29, 48.409, 136.958



38, 62.179, 136.001



29, 34.573, 152.156



16, 3.492, 143.956



81, 111.523, 136.010

Inverse Universe

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



18, 47.142, 327.975



24, 60.010, 328.161



16, 34.941, 354.373



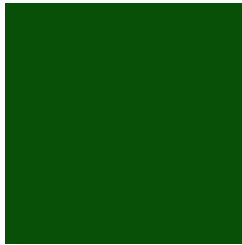
15, 3.498, 324.800



55, 107.618, 328.156

Previews

White Background



This preview shows how the CIELCh color 29, 48.409, 136.957 looks on a white background.

Color Contrast Check

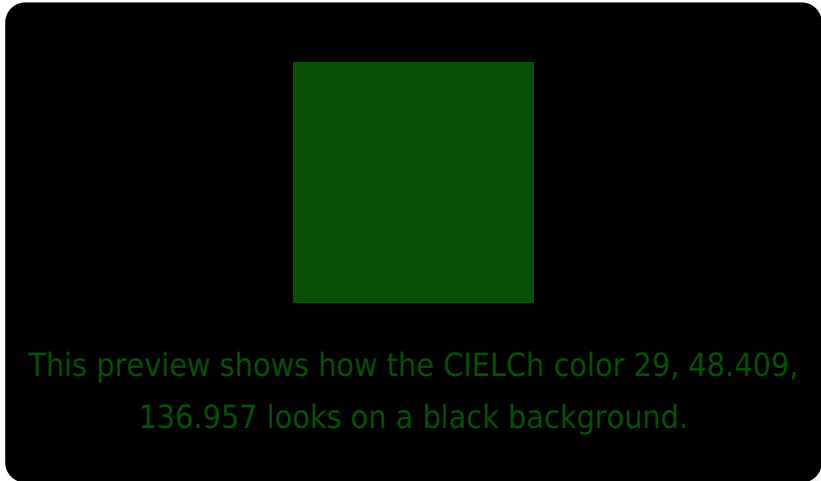
Large Text (above 18pt) WCAG AA ✓ Pass

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

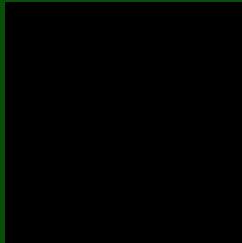
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 48.409, 136.957

Background



This preview shows how black text looks on a background with the CIELCh color 29, 48.409, 136.957.



This preview shows how white text looks on a background with the CIELCh color 29, 48.409, 136.957.

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
29, 48.409, 136.957

Protanopia
29, 37.215, 96.421

Deuteranopia
29, 30.504, 82.934



Tritanopia
29, 14.704, 212.777

Trichromacy



Original Color
29, 48.409, 136.957

Protanomaly
28, 39.374, 118.710

Deuteranomaly
28, 33.451, 115.360

Tritanomaly
29, 24.655, 160.947

Monochromacy



Original Color
29, 48.409, 136.957

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 21.669, 141.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 48.409, 136.957 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(8, 80, 8)` looks like.

```
.text, #text, p{  
    color:rgb(8, 80, 8)  
}
```

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(8, 80, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 80, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 48.409, 136.957 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(8, 80, 8) }
```

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

```
.border{ border-color:rgb(8, 80, 8) }
```

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

Here you see how a box with a 4 pixel rgb(8, 80, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 80, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 80, 8); box-shadow:4px  
4px 4px 4px rgb(8, 80, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 48.409, 136.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 80, 8) }
```

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

```
.background{ background-color: rgb(8, 80,  
8) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor