

Converting Colors

CIELCh(29, 44.163, 137.872)

Have a look what the booklet for
CIELCh(29, 44.163, 137.872)
contains.

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Color

CIELCh(29, 44.515, 137.740)

Conversions

Conversions Part 1

Format	Color
Hex	115011
RGB	17, 80, 17
RGB Percent	7%, 31%, 7%
CMY	0.9317, 0.6879, 0.9350
CMYK	0.78, 0.00, 0.79, 0.69
HSL	119°, 66%, 19%
HSV	119°, 79%, 31%
XYZ	3.1744, 5.8380, 1.4725
YIQ	53.9810, -17.3250, -32.9490

Conversions

Conversions Part 2

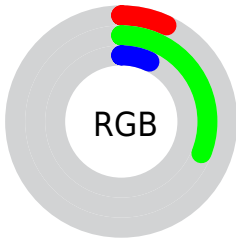
Format	Color
RYB	17, 80, 80
Decimal	1134609
CIELab	29.00, -32.95, 29.94
CIELCh	29, 44.515, 137.740
Yxy	5.8380, 0.3028, 0.5568
Android (android.graphics.Color)	4279324689 (0xFF115011)
YUV	53.9810, -18.2316, -32.4323
Hunter-Lab	24.1619, -18.8317, 13.3000

Details

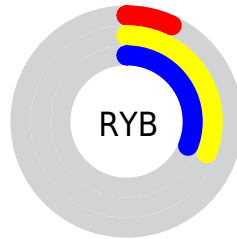
The CIELCh color **29, 44.515, 137.740** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 43.735, 327.385**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 44.384, 137.892**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **29, 47.878, 136.900**, and if you desaturate by 10%, it is **29, 40.250, 138.703**.

Distribution



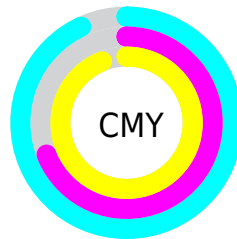
- Red (7%)
- Green (31%)
- Blue (7%)



- Red (7%)
- Yellow (31%)
- Blue (31%)



- Cyan (78%)
- Magenta (0%)
- Yellow (79%)
- Black (69%)



- Cyan (93%)
- Magenta (69%)
- Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 44.515, 137.740 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, 44.515, 137.740 by changing the saturation by 10% instead.


 29, 44.515,
137.740

 29, 44.515,
137.740


 100, 44.515,
137.740

 19, 44.515,
137.740

 49, 44.515,
137.740

 9, 44.515, 137.740

 59, 44.515,
137.740

 0, 44.515, 137.740

 69, 44.515,
137.740

 79, 44.515,
137.740

 89, 44.515,
137.740

 99, 44.515,

137.740

■ 29, 44.515,
137.740

■ 29, 44.515,
137.740

■ 29, 47.878,
136.900

■ 29, 40.250,
138.703

■ 29, 51.087,
135.958

■ 30, 35.274,
139.700

■ 29, 51.370,
135.872

■ 30, 29.782,
140.660

■ 31, 23.943,
141.543

■ 31, 17.894,
142.332

■ 32, 11.749,
143.025

■ 33, 5.593, 143.636

■ 34, 0.507, 323.868

■ 35, 6.504, 324.550

Harmonies

Complementary

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



29, 44.515, 137.740



18, 43.735, 327.385

Rectangle

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



29, 44.515, 137.740



29, 44.515, 187.740



29, 44.515, 317.740



29, 44.515, 7.740

Sweetspot

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



29, 44.515, 137.741



42, 18.450, 142.640



32, 35.424, 102.969



21, 12.778, 142.488



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, 44.515, 137.741



38, 60.586, 136.289



29, 31.344, 154.022



16, 3.479, 143.660



38, 62.100, 135.908



81, 111.468, 135.974

Inverse Universe

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



18, 43.735, 327.385



24, 58.769, 327.676



17, 32.433, 351.944



15, 3.485, 324.490



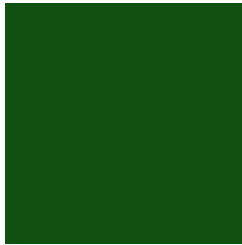
23, 60.037, 327.733



55, 107.671, 327.698

Previews

White Background



This preview shows how the CIELCh color 29, 44.515, 137.740 looks on a white background.

Color Contrast Check

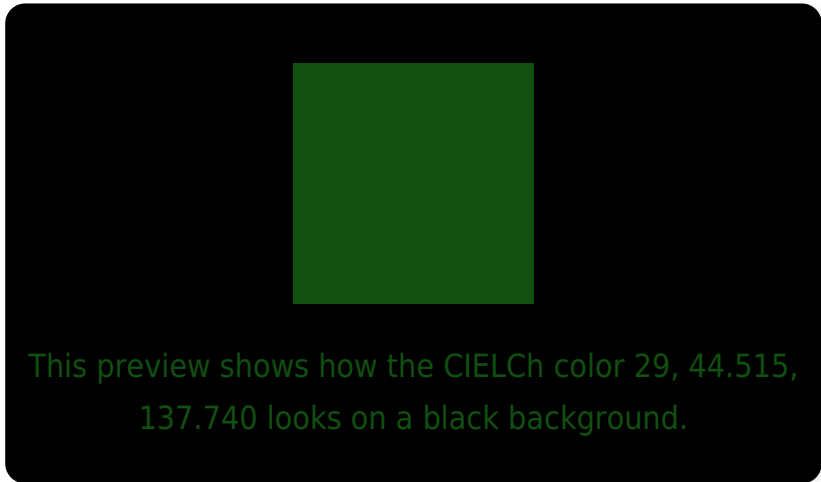
Large Text (above 18pt) WCAG AA ✓ Pass

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

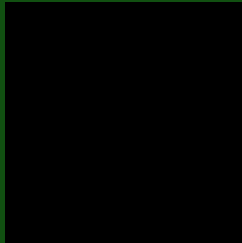
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 44.515, 137.740

Background



This preview shows how black text looks on a background with the CIELCh color 29, 44.515, 137.740.



This preview shows how white text looks on a background with the CIELCh color 29, 44.515, 137.740.

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, 44.644, 137.946

Protanopia

29, 32.555, 96.413

Deuteranopia

29, 28.329, 82.906



Tritanopia
29, 13.937, 213.766

Trichromacy



Original Color
29, 44.644, 137.946

Protanomaly
28, 34.945, 118.865

Deuteranomaly
28, 29.959, 114.275

Tritanomaly
29, 22.286, 162.882

Monochromacy



Original Color
29, 44.644, 137.946

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 18.230, 141.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 44.515, 137.740 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(17, 80, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 80, 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(17, 80, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 80, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 44.515, 137.740 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(17, 80, 17) }
```

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

```
.border{ border-color:rgb(17, 80, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 80, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 80, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 80, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 80, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 44.515, 137.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 80, 17) }
```

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

```
.background{ background-color: rgb(17, 80,  
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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