

Converting Colors

CIELCh(27, 58.323, 157.001)

Have a look what the booklet for
CIELCh(27, 58.323, 157.001)
contains.

CIELCh(29, 42.915, 143.957)	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, 42.915, 143.957)

Conversions

Conversions Part 1

Format	Color
Hex	00501A
RGB	0, 80, 26
RGB Percent	0%, 31%, 10%
CMY	0.9990, 0.6856, 0.8974
CMYK	1.00, 0.00, 0.67, 0.69
HSL	139°, 99%, 16%
HSV	139°, 100%, 31%
XYZ	3.0718, 5.8380, 1.9510
YIQ	49.9240, -30.3460, -33.7540

Conversions

Conversions Part 2

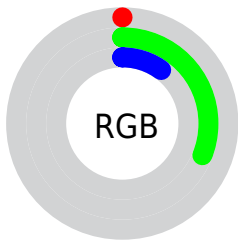
Format	Color
RYB	0, 60, 80
Decimal	20506
CIELab	29.00, -34.70, 25.25
CIELCh	29, 42.915, 143.957
Yxy	5.8380, 0.2828, 0.5375
Android (android.graphics.Color)	4278210586 (0xFF00501A)
YUV	49.9240, -11.7945, -43.7833
Hunter-Lab	24.1619, -19.5900, 12.1259

Details

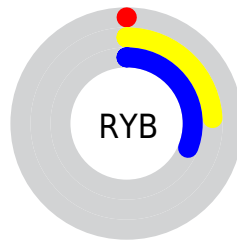
The CIELCh color **29, 42.915, 143.957** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **15, 39.880, 344.610**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 42.581, 144.053**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **29, 43.011, 143.919**, and if you desaturate by 10%, it is **29, 39.766, 145.387**.

Distribution



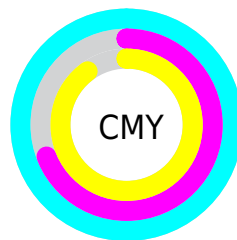
- Red (0%)
- Green (31%)
- Blue (10%)



- Red (0%)
- Yellow (24%)
- Blue (31%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (69%)





- Cyan (100%)
- Magenta (69%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 42.915, 143.957 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, 42.915, 143.957 by changing the saturation by 10% instead.

 29, 42.915,
143.957


 29, 42.915,
143.957

 100, 42.915,
143.957


 19, 42.915,
143.957


 49, 42.915,
143.957


 9, 42.915, 143.957

 59, 42.915,
143.957

 0, 42.915, 143.957

 69, 42.915,
143.957

 79, 42.915,
143.957

 89, 42.915,
143.957

 99, 42.915,

143.957

■ 29, 42.915,
143.957

■ 29, 42.915,
143.957

■ 29, 43.011,
143.919

■ 29, 39.766,
145.387

■ 29, 36.408,
147.039

■ 30, 32.633,
148.554

■ 30, 28.489,
149.911

■ 31, 24.044,
151.114

■ 31, 19.376,
152.175

■ 32, 14.558,
153.111

■ 32, 9.659, 153.940

■ 33, 4.739, 154.687

Harmonies

Complementary

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



29, 42.915, 143.957



15, 39.880, 344.610

Rectangle

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



29, 42.915, 143.957



29, 42.915, 193.957



29, 42.915, 323.957



29, 42.915, 13.957

Sweetspot

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



29, 42.915, 143.957



41, 18.315, 152.988



31, 43.909, 119.392



20, 12.586, 152.766



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, 42.915, 143.957



38, 52.671, 143.096



30, 25.738, 174.264



16, 2.772, 154.755



81, 97.745, 141.588

Inverse Universe

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



15, 39.880, 344.610



22, 47.704, 345.439



14, 38.395, 24.109



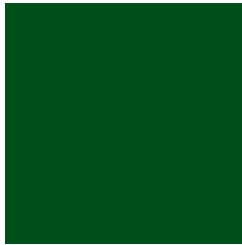
15, 2.787, 335.788



51, 84.445, 347.066

Previews

White Background



This preview shows how the CIELCh color 29, 42.915, 143.957 looks on a white background.

Color Contrast Check

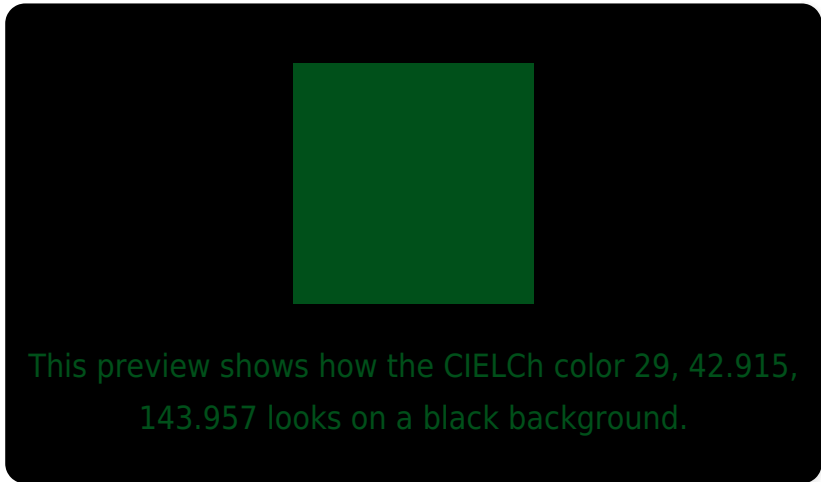
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.915, 143.957

Background



This preview shows how black text looks on a background with the CIELCh color 29, 42.915, 143.957.



This preview shows how white text looks on a background with the CIELCh color 29, 42.915, 143.957.

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, 42.915, 143.957

Protanopia
29, 28.346, 96.205

Deuteranopia
29, 24.120, 80.141



Tritanopia
29, 14.946, 212.492

Trichromacy



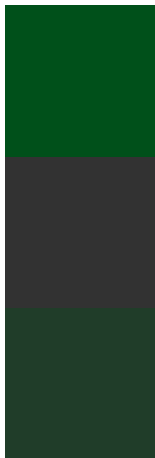
Original Color
29, 42.915, 143.957

Protanomaly
28, 31.902, 126.070

Deuteranomaly
28, 27.242, 123.117

Tritanomaly
29, 22.936, 169.315

Monochromacy



Original Color
29, 42.915, 143.957

Achromatopsia
21, 0.004, 296.813

Achromatomaly
23, 18.600, 151.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 42.915, 143.957 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(0, 80, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 80, 26)  
}
```

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, 80, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 42.915, 143.957 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(0, 80, 26) }
```

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

```
.border{ border-color:rgb(0, 80, 26) }
```

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

Here you see how a box with a 4 pixel rgb(0, 80, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 80, 26); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 80, 26); box-shadow:4px  
4px 4px 4px rgb(0, 80, 26) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 42.915, 143.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 80, 26) }
```

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

```
.background{ background-color: rgb(0, 80,  
26) }
```

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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