

Converting Colors

CIELCh(29, 40.891, 142.359)

Have a look what the booklet for
CIELCh(29, 40.891, 142.359)
contains.

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Color

CIELCh(29, 41.058, 142.356)

Conversions

Conversions Part 1

Format	Color
Hex	0D501B
RGB	13, 80, 27
RGB Percent	5%, 31%, 11%
CMY	0.9478, 0.6880, 0.8957
CMYK	0.83, 0.00, 0.67, 0.69
HSL	132°, 71%, 18%
HSV	132°, 83%, 31%
XYZ	3.2002, 5.8380, 1.9706
YIQ	53.9250, -22.9190, -30.6870

Conversions

Conversions Part 2

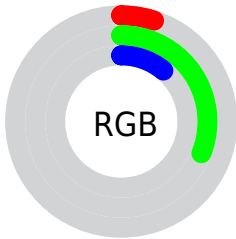
Format	Color
RYB	13, 68, 80
Decimal	872475
CIELab	29.00, -32.51, 25.08
CIELCh	29, 41.058, 142.356
Yxy	5.8380, 0.2907, 0.5303
Android (android.graphics.Color)	4279062555 (0xFF0D501B)
YUV	53.9250, -13.2740, -35.8912
Hunter-Lab	24.1619, -18.6411, 12.0778

Details

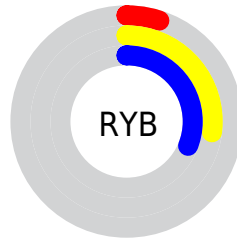
The CIELCh color **29, 41.058, 142.356** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **17, 39.311, 335.868**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 40.910, 142.600**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **29, 44.440, 140.949**, and if you desaturate by 10%, it is **29, 37.167, 143.782**.

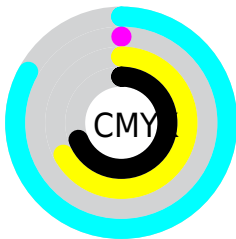
Distribution



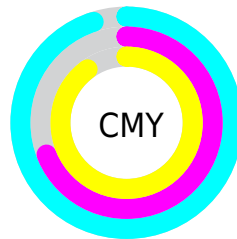
- Red (5%)
- Green (31%)
- Blue (11%)



- Red (5%)
- Yellow (27%)
- Blue (31%)



- Cyan (83%)
- Magenta (0%)
- Yellow (67%)
- Black (69%)





- Cyan (95%)
- Magenta (69%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 41.058, 142.356 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, 41.058, 142.356 by changing the saturation by 10% instead.

 29, 41.058,
142.356


 29, 41.058,
142.356

 100, 41.058,
142.356


 19, 41.058,
142.356


 49, 41.058,
142.356


 9, 41.058, 142.356

 59, 41.058,
142.356

 0, 41.058, 142.356

 69, 41.058,
142.356

 79, 41.058,
142.356

 89, 41.058,
142.356

 99, 41.058,

142.356

■ 29, 41.058,
142.356

■ 29, 41.058,
142.356

■ 29, 44.440,
140.949

■ 29, 37.167,
143.782

■ 29, 46.535,
140.236

■ 30, 32.796,
145.095

■ 30, 28.041,
146.278

■ 31, 23.002,
147.327

■ 31, 17.773,
148.248

■ 32, 12.438,
149.056

■ 33, 7.069, 149.768

■ 34, 1.724, 150.452

■ 34, 3.552, 330.853

Harmonies

Complementary

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



29, 41.058, 142.356



17, 39.311, 335.868

Rectangle

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



29, 41.058, 142.356



29, 41.058, 192.356



29, 41.058, 322.356



29, 41.058, 12.356

Sweetspot

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



29, 41.058, 142.356



42, 16.760, 148.851



32, 37.779, 113.796



21, 11.527, 148.689



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, 41.058, 142.356



38, 57.184, 139.522



30, 26.179, 166.582



16, 3.035, 150.066



81, 105.479, 138.331

Inverse Universe

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



17, 39.311, 335.868



22, 51.764, 337.560



16, 32.078, 9.884



15, 3.045, 331.000



53, 91.921, 338.360

Previews

White Background



This preview shows how the CIELCh color 29, 41.058, 142.356 looks on a white background.

Color Contrast Check

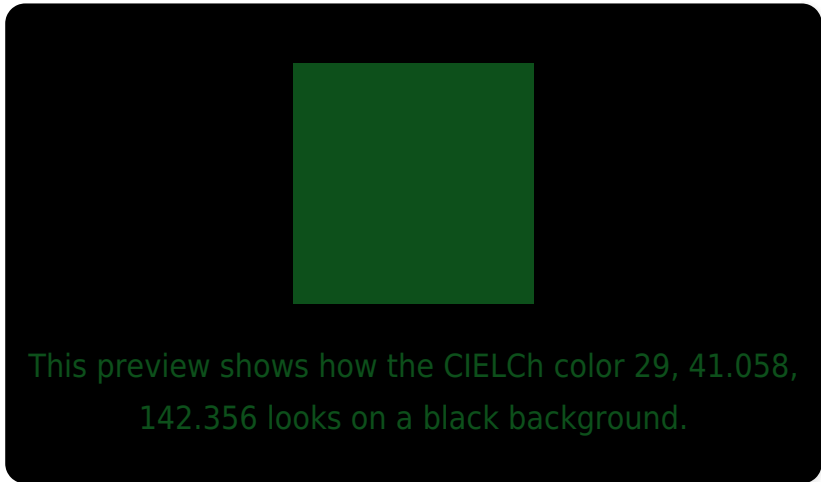
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.058, 142.356

Background



This preview shows how black text looks on a background with the CIELCh color 29, 41.058, 142.356.



This preview shows how white text looks on a background with the CIELCh color 29, 41.058, 142.356.

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](#).

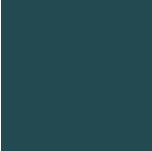
Dichromacy



Original Color
29, 41.173, 142.528

Protanopia
29, 27.745, 97.231

Deuteranopia
29, 24.120, 80.141



Tritanopia
29, 14.442, 213.118

Trichromacy



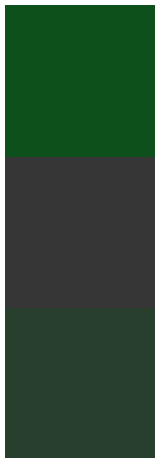
Original Color
29, 41.173, 142.528

Protanomaly
28, 30.726, 123.384

Deuteranomaly
28, 25.915, 117.552

Tritanomaly
29, 21.329, 169.240

Monochromacy



Original Color
29, 41.173, 142.528

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 16.643, 148.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 41.058, 142.356 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(13, 80, 27)` looks like.

```
.text, #text, p{  
    color:rgb(13, 80, 27)  
}
```

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(13, 80, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 80, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 41.058, 142.356 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(13, 80, 27) }
```

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

```
.border{ border-color:rgb(13, 80, 27) }
```

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

Here you see how a box with a 4 pixel rgb(13, 80, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 80, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 80, 27);  
box-shadow:4px 4px 4px 4px rgb(13, 80, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 41.058, 142.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 80, 27) }
```

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

```
.background{ background-color: rgb(13, 80,  
27) }
```

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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