

Converting Colors

CIELCh(29, 19.688, 106.009)

Have a look what the booklet for
CIELCh(29, 19.688, 106.009)
contains.

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Color

CIELCh(29, 19.469, 106.400)

Conversions

Conversions Part 1

Format	Color
Hex	464627
RGB	70, 70, 39
RGB Percent	27%, 27%, 15%
CMY	0.7253, 0.7253, 0.8469
CMYK	0.00, 0.00, 0.44, 0.73
HSL	60°, 28%, 21%
HSV	60°, 44%, 27%
XYZ	5.0903, 5.8380, 2.7824
YIQ	66.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

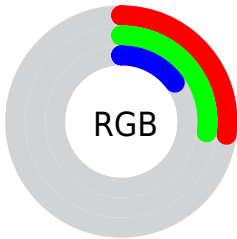
Format	Color
RYB	39, 70, 39
Decimal	4605479
CIELab	29.00, -5.50, 18.68
CIELCh	29, 19.469, 106.400
Yxy	5.8380, 0.3713, 0.4258
Android (android.graphics.Color)	4282795559 (0xFF464627)
YUV	66.4660, -13.5407, 3.0993
Hunter-Lab	24.1619, -4.6778, 10.0857

Details

The CIELCh color $[29, 19.469, 106.400]$ is a dark color, and the websafe version is hex $\#333300$. A complement of this color would be $[17, 21.546, 295.429]$, and the grayscale version is $[28, 0.004, 296.813]$.

A 20% lighter version of the original color is $[49, 19.140, 106.279]$, and $[9, 14.392, 109.432]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 23.583, 105.602]$, and if you desaturate by 10%, it is $[29, 15.193, 107.240]$.

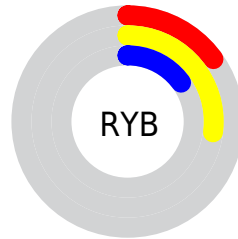
Distribution



Red (27%)

Green (27%)

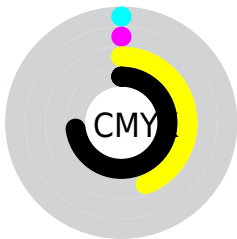
Blue (15%)



Red (15%)

Yellow (27%)

Blue (15%)

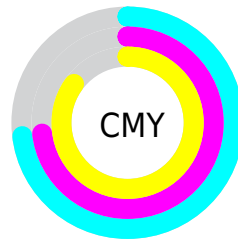


Cyan (0%)

Magenta (0%)

Yellow (44%)

Black (73%)



Cyan (73%)


Magenta (73%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 19.469, 106.400 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, 19.469, 106.400 by changing the saturation by 10% instead.

 29, 19.469,
106.400


 29, 19.469,
106.400

 100, 19.469,
106.400


 19, 19.469,
106.400


 49, 19.469,
106.400


 9, 19.469, 106.400

 59, 19.469,
106.400

 0, 19.469, 106.400

 69, 19.469,
106.400

 79, 19.469,
106.400

 89, 19.469,
106.400

 99, 19.469,

106.400

■ 29, 19.469,
106.400

■ 29, 19.469,
106.400

■ 29, 23.583,
105.602

■ 29, 15.193,
107.240

■ 29, 27.444,
104.857

■ 29, 10.814,
108.096

■ 29, 30.929,
104.195

■ 29, 6.375, 108.957

■ 30, 1.904, 109.802

■ 29, 33.880,
103.644

■ 30, 2.581, 290.673

■ 29, 36.531,
103.158

■ 30, 7.066, 291.488

■ 29, 38.152,
102.877

■ 30, 11.542,
292.282

■ 31, 16.001,
293.048

■ 31, 20.438,
293.783

Harmonies

Complementary

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



29, 19.469, 106.400



17, 21.546, 295.429

Rectangle

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



29, 19.469, 106.400



29, 19.469, 156.400



29, 19.469, 286.400



29, 19.469, 336.400

Sweetspot

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



29, 19.470, 106.403



39, 7.276, 109.019



20, 15.861, 23.201



19, 5.016, 108.918



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



29, 19.470, 106.403



38, 28.791, 105.530



28, 20.973, 127.226



14, 2.533, 109.438



41, 48.580, 102.853



88, 88.739, 102.853

Inverse Universe

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



17, 21.546, 295.429



20, 32.961, 297.281



19, 22.194, 311.035



12, 2.580, 290.962



8, 67.080, 306.287



28, 122.532, 306.287

Previews

White Background



This preview shows how the CIELCh color 29, 19.469, 106.400 looks on a white background.

Color Contrast Check

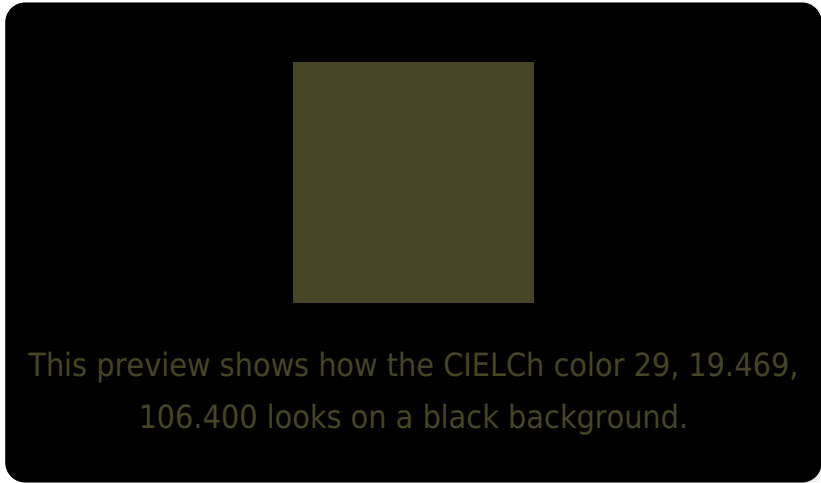
Large Text (above 18pt) WCAG AA ✓ Pass

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

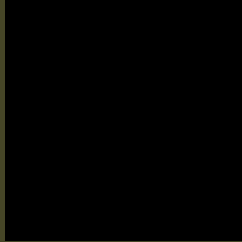
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 19.469, 106.400

Background



This preview shows how black text looks on a background with the CIELCh color 29, 19.469, 106.400.



This preview shows how white text looks on a background with the CIELCh color 29, 19.469, 106.400.

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, 19.469, 106.400

Protanopia

29, 19.300, 95.843

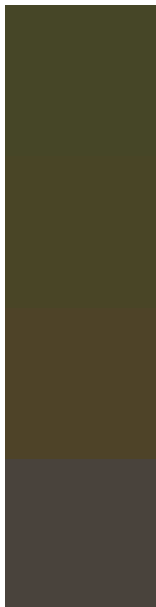
Deuteranopia

29, 18.615, 77.383



Tritanopia
29, 5.249, 332.939

Trichromacy



Original Color
29, 19.469, 106.400

Protanomaly
29, 19.620, 100.456

Deuteranomaly
29, 18.100, 88.835

Tritanomaly
29, 5.294, 77.430

Monochromacy



Original Color
29, 19.469, 106.400

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 7.053, 108.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 19.469, 106.400 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(70, 70, 39)` looks like.

```
.text, #text, p{  
    color:rgb(70, 70, 39)  
}
```

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(70, 70, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 70, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 19.469, 106.400 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(70, 70, 39) }
```

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

```
.border{ border-color:rgb(70, 70, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 70, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 70, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 70, 39);  
box-shadow:4px 4px 4px 4px rgb(70, 70, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 19.469, 106.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 70, 39) }
```

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

```
.background{ background-color: rgb(70, 70,  
39) }
```

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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