

Converting Colors

CIELCh(32, 29.082, 111.811)

Have a look what the booklet for
CIELCh(32, 29.082, 111.811)
contains.

CIELCh(32, 29.036, 111.929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 29.036, 111.929)

Conversions

Conversions Part 1

Format	Color
Hex	484F1F
RGB	72, 79, 31
RGB Percent	28%, 31%, 12%
CMY	0.7173, 0.6898, 0.8781
CMYK	0.09, 0.00, 0.61, 0.69
HSL	69°, 44%, 22%
HSV	69°, 61%, 31%
XYZ	5.7299, 7.0852, 2.3677
YIQ	71.4350, 11.2360, -16.4120

Conversions

Conversions Part 2

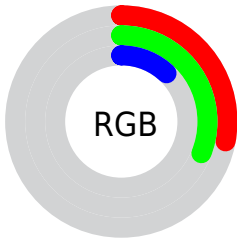
Format	Color
R_{YB}	31, 79, 38
Decimal	4738847
CIE _{Lab}	32.00, -10.84, 26.94
CIE _{LCh}	32, 29.036, 111.929
Yxy	7.0852, 0.3774, 0.4667
Android (android.graphics.Color)	4282928927 (0xFF484F1F)
YUV	71.4350, -19.9345, 0.4955
Hunter-Lab	26.6180, -8.1567, 13.3587

Details

The CIELCh color **32, 29.036, 111.929** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 33.680, 301.976**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 29.006, 111.785**, and **12, 20.478, 119.361** is the 20% darker color. If you saturate the color by 10%, you get **32, 33.052, 111.473**, and if you desaturate by 10%, it is **32, 24.642, 112.498**.

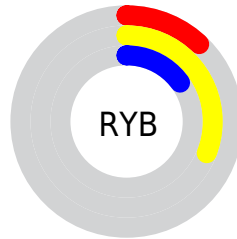
Distribution



 Red (28%)

 Green (31%)

 Blue (12%)



 Red (12%)

 Yellow (31%)

 Blue (15%)

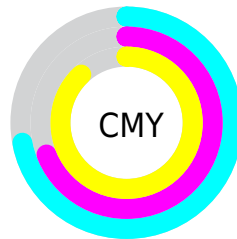


 Cyan (9%)

 Magenta (0%)

 Yellow (61%)

 Black (69%)



 Cyan (72%)


 Magenta (69%)


 Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 29.036, 111.929 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 32, 29.036, 111.929 by changing the saturation by 10% instead.


 32, 29.036,
111.929


 32, 29.036,
111.929

 100, 29.036,
111.929


 22, 29.036,
111.929

 52, 29.036,
111.929


 12, 29.036,
111.929


 62, 29.036,
111.929

 2, 29.036, 111.929

 72, 29.036,
111.929

 0, 29.036, 111.929

 82, 29.036,
111.929

 92, 29.036,
111.929

■ 32, 29.036,
111.929

■ 32, 29.036,
111.929

■ 32, 33.052,
111.473

■ 32, 24.642,
112.498

■ 32, 36.521,
111.176

■ 32, 19.997,
113.132

■ 32, 39.315,
111.076

■ 33, 15.192,
113.803

■ 31, 41.981,
110.924

■ 33, 10.289,
114.490

■ 33, 5.329, 115.175

■ 34, 0.343, 115.836

■ 34, 4.649, 296.505

■ 34, 9.633, 297.134

■ 35, 14.597,

Harmonies

Complementary

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



32, 29.036, 111.929



15, 33.680, 301.976

Rectangle

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



32, 29.036, 111.929



32, 29.036, 161.929



32, 29.036, 291.929



32, 29.036, 341.929

Sweetspot

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



32, 29.037, 111.931



42, 11.050, 114.632



21, 22.903, 34.934



21, 7.578, 114.516



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



32, 29.037, 111.931



41, 41.517, 111.305



30, 32.446, 130.979



16, 2.858, 115.306



41, 50.981, 111.219



87, 91.587, 111.775

Inverse Universe

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



15, 33.680, 301.976



16, 50.698, 303.977



18, 34.199, 315.913



15, 2.911, 296.515



10, 68.522, 307.173



30, 123.607, 306.787

Previews

White Background



This preview shows how the CIELCh color 32, 29.036, 111.929 looks on a white background.

Color Contrast Check

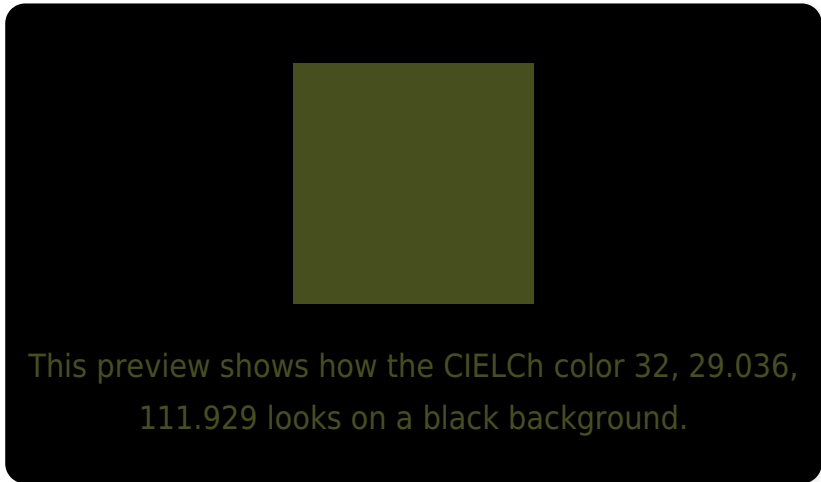
Large Text (above 18pt) WCAG AA ✓ Pass

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

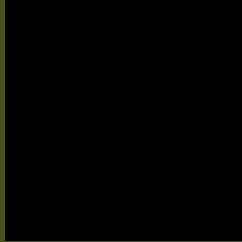
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 29.036, 111.929

Background



This preview shows how black text looks on a background with the CIELCh color 32, 29.036, 111.929.



This preview shows how white text looks on a background with the CIELCh color 32, 29.036, 111.929.

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

32, 29.036, 111.929

Protanopia

32, 27.765, 95.548

Deuteranopia

32, 26.685, 81.658



Tritanopia
32, 4.035, 309.354

Trichromacy



Original Color
32, 29.036, 111.929

Protanomaly
32, 27.916, 100.880

Deuteranomaly
32, 26.792, 94.314

Tritanomaly
32, 8.822, 111.571

Monochromacy



Original Color
32, 29.036, 111.929

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 11.425, 115.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 29.036, 111.929 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(72, 79, 31)` looks like.

```
.text, #text, p{  
    color:rgb(72, 79, 31)  
}
```

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(72, 79, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 79, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 29.036, 111.929 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(72, 79, 31) }
```

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

```
.border{ border-color:rgb(72, 79, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 79, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 79, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 79, 31);  
box-shadow:4px 4px 4px 4px rgb(72, 79, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 29.036, 111.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 79, 31) }
```

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

```
.background{ background-color: rgb(72, 79,  
31) }
```

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