

Converting Colors

CIELCh(29, 20.815, 111.886)

Have a look what the booklet for
CIELCh(29, 20.815, 111.886)
contains.

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Color

CIELCh(29, 20.731, 111.713)

Conversions

Conversions Part 1

Format	Color
Hex	434726
RGB	67, 71, 38
RGB Percent	26%, 28%, 15%
CMY	0.7373, 0.7216, 0.8510
CMYK	0.06, 0.00, 0.46, 0.72
HSL	67°, 30%, 21%
HSV	67°, 46%, 28%
XYZ	4.9163, 5.8380, 2.7006
YIQ	66.0420, 8.2090, -11.1110

Conversions

Conversions Part 2

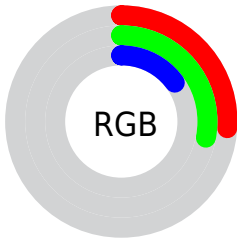
Format	Color
R_{YB}	38, 71, 42
Decimal	4409126
CIE Lab	29.00, -7.67, 19.26
CIE LCh	29, 20.731, 111.713
Yxy	5.8380, 0.3654, 0.4339
Android (android.graphics.Color)	4282599206 (0xFF434726)
YUV	66.0420, -13.8247, 0.8402
Hunter-Lab	24.1619, -5.9635, 10.2865

Details

The CIELCh color **29, 20.731, 111.713** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17, 23.012, 299.338**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 20.300, 111.203**, and **9, 15.406, 117.841** is the 20% darker color. If you saturate the color by 10%, you get **29, 24.865, 111.090**, and if you desaturate by 10%, it is **29, 16.416, 112.389**.

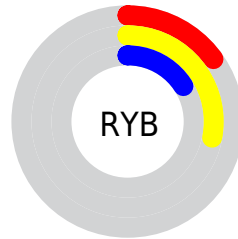
Distribution



Red (26%)

Green (28%)

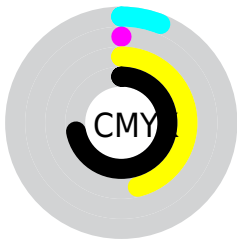
Blue (15%)



Red (15%)

Yellow (28%)

Blue (16%)

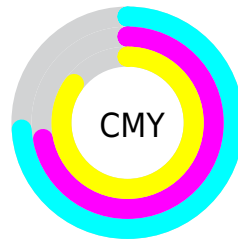


Cyan (6%)

Magenta (0%)

Yellow (46%)

Black (72%)



Cyan (74%)


Magenta (72%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 20.731, 111.713 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, 20.731, 111.713 by changing the saturation by 10% instead.

 29, 20.731,
111.713


 29, 20.731,
111.713

 100, 20.731,
111.713


 19, 20.731,
111.713


 49, 20.731,
111.713


 9, 20.731, 111.713

 59, 20.731,
111.713

 0, 20.731, 111.713

 69, 20.731,
111.713

 79, 20.731,
111.713

 89, 20.731,
111.713

 99, 20.731,

111.713

■ 29, 20.731,
111.713

■ 29, 20.731,
111.713

■ 29, 24.865,
111.090

■ 29, 16.416,
112.389

■ 29, 28.721,
110.544

■ 29, 11.986,
113.088

■ 29, 32.169,
110.120

■ 30, 7.486, 113.792

■ 30, 2.948, 114.490

■ 28, 35.045,
109.867

■ 30, 1.606, 295.184

■ 28, 37.804,
109.626

■ 31, 6.160, 295.843

■ 28, 38.813,
109.532

■ 31, 10.704,
296.481

■ 31, 15.228,
297.090

■ 32, 19.726,
297.670

Harmonies

Complementary

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



29, 20.731, 111.713



17, 23.012, 299.338

Rectangle

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



29, 20.731, 111.713



29, 20.731, 161.713



29, 20.731, 291.713



29, 20.731, 341.713

Sweetspot

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



29, 20.732, 111.716



38, 7.872, 113.929



21, 15.415, 32.178



19, 5.354, 113.855



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, 20.732, 111.716



37, 30.428, 110.991



28, 22.973, 131.090



14, 2.545, 114.344



40, 49.027, 109.814



86, 89.674, 110.317

Inverse Universe

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



17, 23.012, 299.338



20, 34.980, 300.869



19, 23.970, 314.862



12, 2.592, 295.565



9, 66.293, 307.034



29, 121.793, 306.661

Previews

White Background



This preview shows how the CIELCh color 29, 20.731, 111.713 looks on a white background.

Color Contrast Check

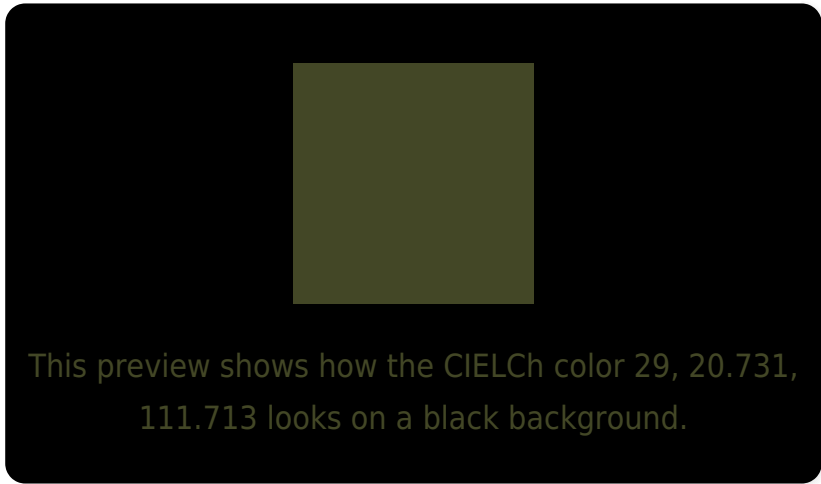
Large Text (above 18pt) WCAG AA ✓ Pass

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

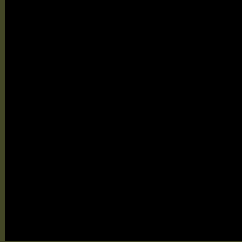
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 20.731, 111.713

Background



This preview shows how black text looks on a background with the CIELCh color 29, 20.731, 111.713.

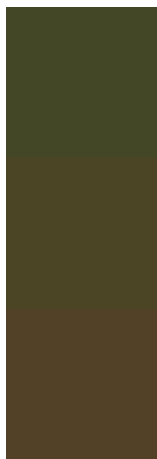


This preview shows how white text looks on a background with the CIELCh color 29, 20.731, 111.713.

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, 20.731, 111.713

Protanopia

29, 19.896, 96.015

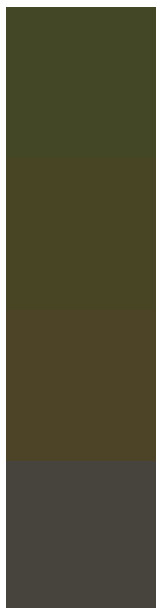
Deuteranopia

29, 19.173, 78.105



Tritanopia
29, 3.686, 319.056

Trichromacy



Original Color
29, 20.731, 111.713

Protanomaly
29, 20.168, 101.931

Deuteranomaly
29, 18.531, 90.745

Tritanomaly
29, 5.210, 98.946

Monochromacy



Original Color
29, 20.731, 111.713

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 7.759, 115.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 20.731, 111.713 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(67, 71, 38)` looks like.

```
.text, #text, p{  
    color:rgb(67, 71, 38)  
}
```

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(67, 71, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 71, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 20.731, 111.713 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(67, 71, 38) }
```

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

```
.border{ border-color:rgb(67, 71, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 71, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 71, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 71, 38);  
box-shadow:4px 4px 4px 4px rgb(67, 71, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 20.731, 111.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 71, 38) }
```

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

```
.background{ background-color: rgb(67, 71,  
38) }
```

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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