

Converting Colors

CIELCh(33, 2.071, 90.405)

Have a look what the booklet for
CIELCh(33, 2.071, 90.405) contains.

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Color

CIELCh(33, 2.073, 84.629)

Conversions

Conversions Part 1

Format	Color
Hex	4F4D4A
RGB	79, 77, 74
RGB Percent	31%, 30%, 29%
CMY	0.6887, 0.6966, 0.7084
CMYK	0.00, 0.03, 0.06, 0.69
HSL	36°, 3%, 30%
HSV	36°, 6%, 31%
XYZ	7.1837, 7.5373, 7.6199
YIQ	77.2560, 2.1550, -0.5090

Conversions

Conversions Part 2

Format	Color
RYB	77, 79, 74
Decimal	5197130
CIELab	33.00, 0.19, 2.06
CIElCh	33, 2.073, 84.629
Yxy	7.5373, 0.3215, 0.3374
Android (android.graphics.Color)	4283387210 (0xFF4F4D4A)
YUV	77.2560, -1.6052, 1.5295
Hunter-Lab	27.4541, -1.3379, 2.7619

Details

The CIELCh color **33, 2.073, 84.629** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 2.069, 266.257**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 1.897, 84.840**, and **13, 2.377, 84.005** is the 20% darker color. If you saturate the color by 10%, you get **32, 5.443, 83.537**, and if you desaturate by 10%, it is **34, 1.206, 265.984**.

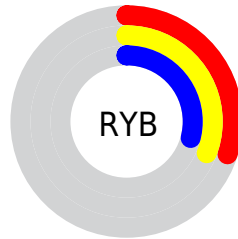
Distribution



Red (31%)

Green (30%)

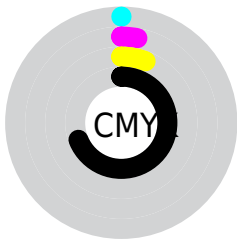
Blue (29%)



Red (30%)

Yellow (31%)

Blue (29%)

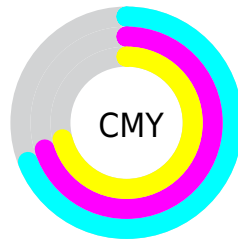


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (69%)



Cyan (69%)

Magenta (70%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 2.073, 84.629 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 33, 2.073, 84.629 by changing the saturation by 10% instead.

■ 33, 2.073, 84.629 ■ 33, 2.073, 84.629

■ 100, 2.073, 84.629 ■ 23, 2.073, 84.629

■ 53, 2.073, 84.629 ■ 13, 2.073, 84.629

■ 63, 2.073, 84.629 ■ 3, 2.073, 84.629

■ 73, 2.073, 84.629 ■ 0, 2.073, 84.629

■ 83, 2.073, 84.629

■ 93, 2.073, 84.629

■ 33, 2.073, 84.629 ■ 33, 2.073, 84.629

■ 32, 5.443, 83.537 ■ 34, 1.206, 265.984

■ 31, 8.906, 82.349 ■ 35, 4.402, 266.986

■ 29, 12.460, 81.125

■ 37, 7.520, 268.023

■ 28, 16.094, 79.869

■ 38, 10.566,
269.026

■ 27, 19.783, 78.579

■ 39, 13.548,
269.988

■ 26, 23.471, 77.240

■ 25, 27.055, 75.819

■ 40, 16.470,
270.908

■ 24, 30.314, 74.225

■ 42, 19.339,
271.785

■ 23, 32.987, 72.448

■ 43, 22.160,
272.621

■ 44, 24.935,
273.416

Harmonies

Complementary

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



33, 2.073, 84.629



32, 2.069, 266.257

Rectangle

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



33, 2.073, 84.629



33, 2.073, 134.629



33, 2.073, 264.629



33, 2.073, 314.629

Sweetspot

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



33, 2.074, 84.658



43, 0.801, 84.992



32, 2.538, 349.834



21, 0.449, 84.990



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



33, 2.074, 84.658



42, 3.248, 84.448



34, 3.140, 113.645



16, 1.888, 84.396



31, 42.831, 71.305



66, 77.174, 68.883

Inverse Universe

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



32, 2.069, 266.257



41, 3.232, 266.486



32, 3.187, 294.588



15, 1.877, 266.544



19, 42.913, 290.161



44, 82.693, 293.043

Previews

White Background



This preview shows how the CIELCh color 33, 2.073, 84.629 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



This preview shows how the CIE LCh color 33, 2.073, 84.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

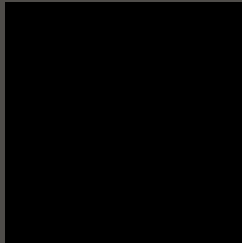
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

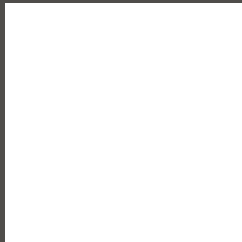
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 2.073, 84.629

Background



This preview shows how black text looks on a background with the CIELCh color 33, 2.073, 84.629.



This preview shows how white text looks on a background with the CIELCh color 33, 2.073, 84.629.

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

33, 2.073, 84.629

Protanopia

33, 2.295, 74.513

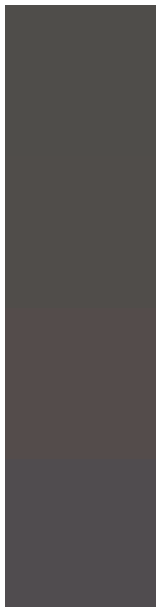
Deuteranopia

33, 4.899, 20.112



Tritanopia
33, 4.371, 320.073

Trichromacy



Original Color

33, 2.073, 84.629

Protanomaly

33, 2.295, 74.513

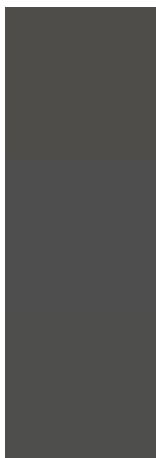
Deuteranomaly

33, 3.604, 29.867

Tritanomaly

33, 2.581, 332.566

Monochromacy



Original Color

33, 2.073, 84.629

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 0.624, 110.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 2.073, 84.629 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(79, 77, 74)` looks like.

```
.text, #text, p{  
    color:rgb(79, 77, 74)  
}
```

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(79, 77, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 77, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 2.073, 84.629 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(79, 77, 74) }
```

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

```
.border{ border-color:rgb(79, 77, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 77, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 77, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 77, 74);  
box-shadow:4px 4px 4px 4px rgb(79, 77, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 2.073, 84.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 77, 74) }
```

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

```
.background{ background-color: rgb(79, 77,  
74) }
```

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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