

Converting Colors

CIELCh(31, 3.037, 36.716)

Have a look what the booklet for
CIELCh(31, 3.037, 36.716) contains.

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Color

CIELCh(31, 2.970, 44.935)

Conversions

Conversions Part 1

Format	Color
Hex	4E4846
RGB	78, 72, 70
RGB Percent	31%, 28%, 27%
CMY	0.6951, 0.7186, 0.7264
CMYK	0.00, 0.08, 0.10, 0.70
HSL	15°, 5%, 29%
HSV	15°, 10%, 30%
XYZ	6.5209, 6.6515, 6.6943
YIQ	73.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

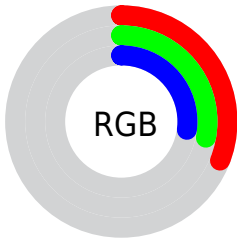
Format	Color
R_{YB}	78, 73, 70
Decimal	5130310
CIE Lab	31.00, 2.10, 2.10
CIE LCh	31, 2.970, 44.935
Yxy	6.6515, 0.3282, 0.3348
Android (android.graphics.Color)	4283320390 (0xFF4E4846)
YUV	73.5660, -1.7580, 3.8886
Hunter-Lab	25.7905, -0.0010, 2.6637

Details

The CIELCh color $[31, 2.970, 44.935]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[32, 2.813, 226.021]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 3.074, 41.755]$, and $[11, 3.000, 48.854]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 6.074, 44.680]$, and if you desaturate by 10%, it is $[33, 0.077, 41.962]$.

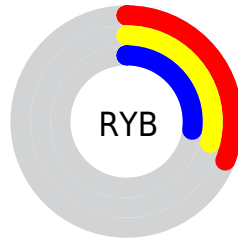
Distribution



Red (31%)

Green (28%)

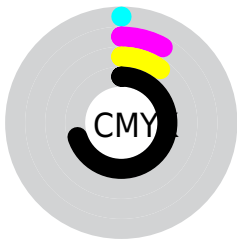
Blue (27%)



Red (31%)

Yellow (29%)

Blue (27%)

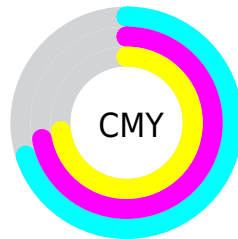


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (70%)



Cyan (70%)

Magenta (72%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 2.970, 44.935 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 31, 2.970, 44.935 by changing the saturation by 10% instead.

■ 31, 2.970, 44.935 ■ 31, 2.970, 44.935

■ 100, 2.970, 44.935 ■ 21, 2.970, 44.935

■ 51, 2.970, 44.935 ■ 11, 2.970, 44.935

■ 61, 2.970, 44.935 ■ 1, 2.970, 44.935

■ 71, 2.970, 44.935 ■ 0, 2.970, 44.935

■ 81, 2.970, 44.935

■ 91, 2.970, 44.935

■ 31, 2.970, 44.935 ■ 31, 2.970, 44.935

■ 29, 6.074, 44.680 ■ 33, 0.077, 41.962

■ 27, 9.408, 44.452 ■ 35, 2.624, 225.965

■ 25, 12.986, 44.317

■ 37, 5.153, 226.378

■ 23, 16.815, 44.302

■ 39, 7.529, 226.845

■ 22, 20.887, 44.423

■ 41, 9.768, 227.333

■ 20, 25.169, 44.685

■ 43, 11.887,
227.830

■ 18, 29.440, 44.779

■ 45, 13.899,
228.329

■ 17, 32.858, 43.526

■ 16, 35.859, 42.599

■ 47, 15.817,
228.826

■ 49, 17.651,
229.316

Harmonies

Complementary

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



31, 2.970, 44.935



32, 2.813, 226.021

Rectangle

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



31, 2.970, 44.935



31, 2.970, 94.935



31, 2.970, 224.935



31, 2.970, 274.935

Sweetspot

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



31, 2.970, 44.958



42, 1.056, 45.013



31, 5.200, 332.911



21, 0.793, 45.039



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 2.970, 44.958



40, 4.373, 44.898



32, 3.877, 96.116



14, 1.581, 44.999



22, 46.521, 44.696



52, 90.019, 44.857

Inverse Universe

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



32, 2.813, 226.021



41, 4.090, 226.127



31, 3.906, 278.405



15, 1.511, 225.952



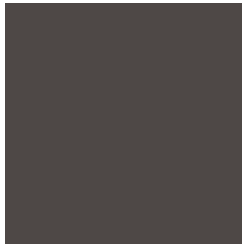
30, 23.026, 243.454



66, 42.424, 247.008

Previews

White Background



This preview shows how the CIELCh color 31, 2.970, 44.935 looks on a white background.

Color Contrast Check

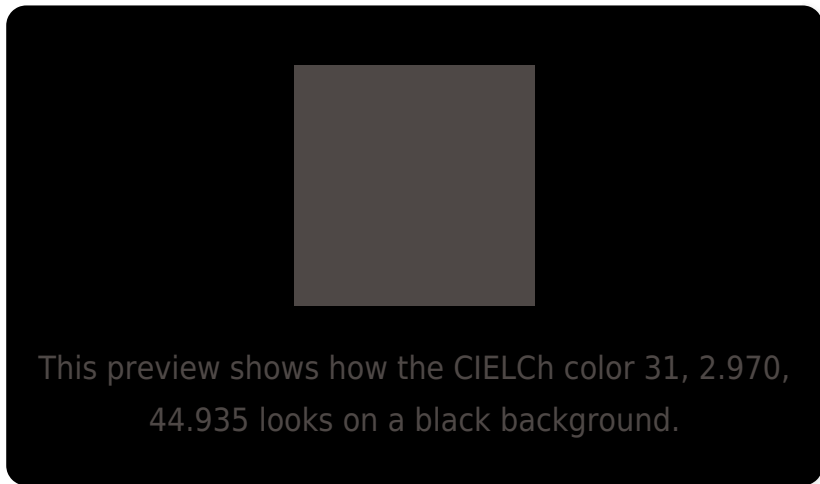
Large Text (above 18pt) WCAG AA ✓ Pass

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

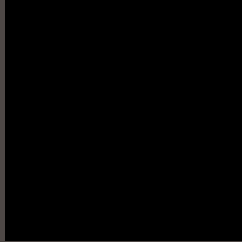
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 2.970, 44.935

Background



This preview shows how black text looks on a background with the CIELCh color 31, 2.970, 44.935.

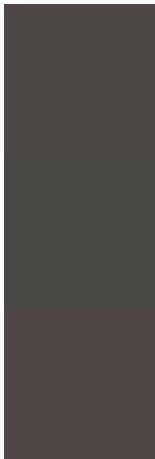


This preview shows how white text looks on a background with the CIELCh color 31, 2.970, 44.935.

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

31, 2.970, 44.935

Protanopia

31, 2.092, 84.599

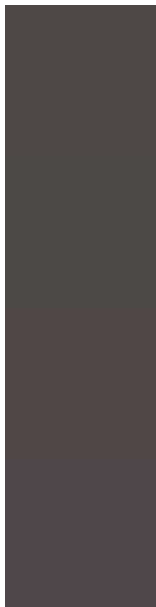
Deuteranopia

31, 4.556, 28.029



Tritanopia
31, 4.747, 338.121

Trichromacy



Original Color

31, 2.970, 44.935

Protanomaly

31, 2.317, 74.479

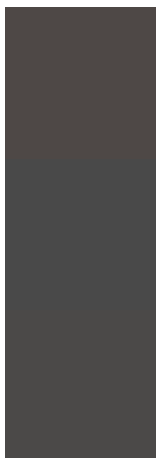
Deuteranomaly

31, 4.102, 28.848

Tritanomaly

31, 4.023, 351.765

Monochromacy



Original Color

31, 2.970, 44.935

Achromatopsia

31, 0.005, 296.813

Achromatomaly

31, 1.080, 55.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 2.970, 44.935 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(78, 72, 70)` looks like.

```
.text, #text, p{  
    color:rgb(78, 72, 70)  
}
```

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(78, 72, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 72, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 2.970, 44.935 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(78, 72, 70) }
```

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

```
.border{ border-color:rgb(78, 72, 70) }
```

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

Here you see how a box with a 4 pixel rgb(78, 72, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 72, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 72, 70);  
box-shadow:4px 4px 4px 4px rgb(78, 72, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 2.970, 44.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 72, 70) }
```

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

```
.background{ background-color: rgb(78, 72,  
70) }
```

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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