

Converting Colors

CIELCh(4, 12.442, 29.566)

Have a look what the booklet for
CIELCh(4, 12.442, 29.566) contains.

CIELCh(4, 12.434, 30.623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(4, 12.434, 30.623)

Conversions

Conversions Part 1

Format	Color
Hex	210600
RGB	33, 6, 0
RGB Percent	13%, 2%, 0%
CMY	0.8711, 0.9779, 1.0000
CMYK	0.00, 0.83, 1.00, 0.87
HSL	10°, 100%, 6%
HSV	10°, 100%, 13%
XYZ	0.6821, 0.4428, 0.0393
YIQ	13.3890, 18.0180, 3.8580

Conversions

Conversions Part 2

Format	Color
RYB	33, 7, 0
Decimal	2164224
CIELab	4.00, 10.70, 6.33
CIELCh	4, 12.434, 30.623
Yxy	0.4428, 0.5859, 0.3803
Android (android.graphics.Color)	4280354304 (0xFF210600)
YUV	13.3890, -6.6008, 17.1988
Hunter-Lab	6.6545, 6.6511, 4.3076

Details

The CIELCh color **4, 12.434, 30.623** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **8, 10.430, 222.237**, and the grayscale version is **4, 0.001, 296.812**.

A 20% lighter version of the original color is **24, 12.603, 30.694**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **4, 12.409, 29.977**, and if you desaturate by 10%, it is **5, 11.628, 29.552**.

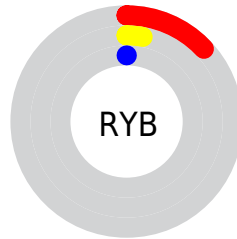
Distribution



Red (13%)

Green (2%)

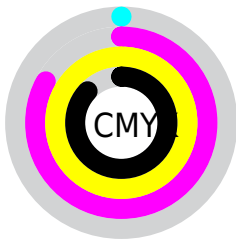
Blue (0%)



Red (13%)

Yellow (3%)

Blue (0%)

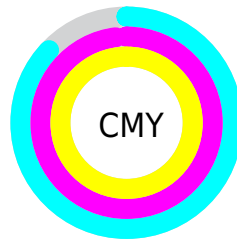


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (87%)



Cyan (87%)

Magenta (98%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 4, 12.434, 30.623 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 4, 12.434, 30.623 by changing the saturation by 10% instead.



4, 12.434, 30.623



4, 12.434, 30.623



94, 12.434, 30.623



0, 12.434, 30.623



24, 12.434, 30.623



34, 12.434, 30.623



44, 12.434, 30.623



54, 12.434, 30.623



64, 12.434, 30.623



74, 12.434, 30.623



84, 12.434, 30.623



4, 12.434, 30.623



4, 12.434, 30.623

■ 4, 12.409, 29.977

■ 5, 11.628, 29.552

■ 5, 10.842, 29.139

■ 6, 9.981, 29.584

■ 7, 8.977, 30.810

■ 8, 7.726, 32.521

■ 9, 6.226, 34.986

■ 10, 4.609, 36.265

■ 11, 2.978, 36.169

■ 12, 1.444, 36.104

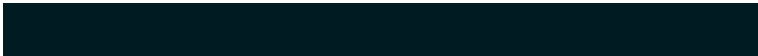
Harmonies

Complementary

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



4, 12.434, 30.623



8, 10.430, 222.237

Rectangle

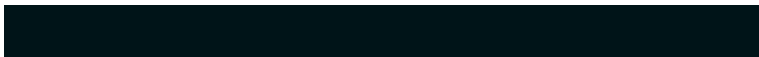
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4, 12.434, 30.623



4, 12.434, 80.623



4, 12.434, 210.623



4, 12.434, 260.623

Sweetspot

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



4, 12.409, 29.977



14, 5.882, 36.299



4, 20.399, 332.825



5, 3.111, 33.507



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



4, 12.409, 29.977



6, 19.740, 29.010



8, 12.344, 78.695



4, 0.467, 35.522



15, 37.687, 38.620



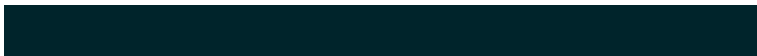
45, 85.810, 42.537

Inverse Universe

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



8, 10.430, 222.237



12, 12.693, 222.447



3, 14.897, 279.752



4, 0.464, 217.023



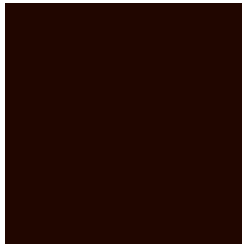
25, 18.630, 226.182



65, 37.169, 229.691

Previews

White Background



This preview shows how the CIELCh color 4, 12.434, 30.623 looks on a white background.

Color Contrast Check

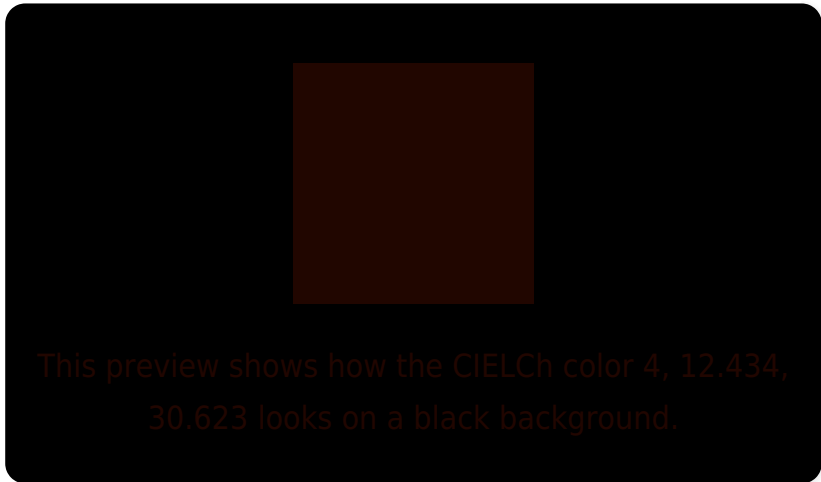
Large Text (above 18pt) WCAG AA ✓ Pass

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 4, 12.434, 30.623

Background



This preview shows how black text looks on a background with the CIELCh color 4, 12.434, 30.623.



This preview shows how white text looks on a background with the CIELCh color 4, 12.434, 30.623.

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

4, 12.434, 30.623

Protanopia

5, 5.880, 102.080

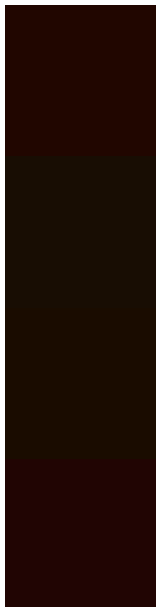
Deuteranopia

5, 7.323, 89.418



Tritanopia
4, 12.506, 19.403

Trichromacy



Original Color
4, 12.434, 30.623

Protanomaly
4, 6.195, 61.293

Deuteranomaly
4, 7.745, 58.491

Tritanomaly
4, 12.522, 23.096

Monochromacy



Original Color
4, 12.434, 30.623

Achromatopsia
4, 0.001, 296.812

Achromatomaly
3, 3.696, 31.997

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 4, 12.434, 30.623 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(33, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(33, 6, 0)  
}
```

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(33, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 6, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 4, 12.434, 30.623 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(33, 6, 0) }
```

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

```
.border{ border-color:rgb(33, 6, 0) }
```

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

Here you see how a box with a 4 pixel rgb(33, 6, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 6, 0); box-shadow:4px  
4px 4px 4px rgb(33, 6, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 4, 12.434, 30.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 6, 0) }
```

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

```
.background{ background-color: rgb(33, 6,  
0) }
```

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