

Converting Colors

CIELCh(12, 30.669, 339.076)

Have a look what the booklet for
CIELCh(12, 30.669, 339.076)
contains.

CIELCh(12, 30.674, 339.260)	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(12, 30.674, 339.260)

Conversions

Conversions Part 1

Format	Color
Hex	3D0A2F
RGB	61, 10, 47
RGB Percent	24%, 4%, 18%
CMY	0.7613, 0.9613, 0.8161
CMYK	0.00, 0.84, 0.23, 0.76
HSL	316°, 72%, 14%
HSV	316°, 84%, 24%
XYZ	2.5344, 1.4064, 2.8150
YIQ	29.4670, 18.5190, 22.3190

Conversions

Conversions Part 2

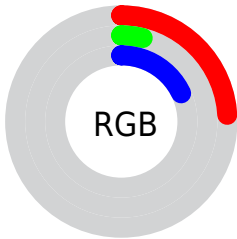
Format	Color
RYB	61, 10, 47
Decimal	4000303
CIELab	12.00, 28.69, -10.86
CIElCh	12, 30.674, 339.260
Yxy	1.4064, 0.3751, 0.2082
Android (android.graphics.Color)	4282190383 (0xFF3D0A2F)
YUV	29.4670, 8.6438, 27.6544
Hunter-Lab	11.8591, 17.3935, -5.7724

Details

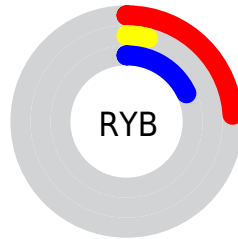
The CIELCh color **12, 30.674, 339.260** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 31.626, 145.193**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 30.979, 339.390**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 32.977, 340.177**, and if you desaturate by 10%, it is **13, 28.198, 338.327**.

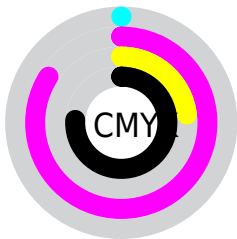
Distribution



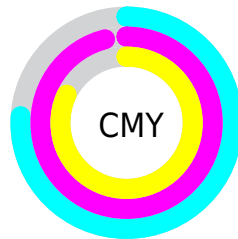
- Red (24%)
- Green (4%)
- Blue (18%)



- Red (24%)
- Yellow (4%)
- Blue (18%)



- Cyan (0%)
- Magenta (84%)
- Yellow (23%)
- Black (76%)





- Cyan (76%)
- Magenta (96%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 30.674, 339.260 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 12, 30.674, 339.260 by changing the saturation by 10% instead.

 12, 30.674,
339.260


 12, 30.674,
339.260


 100, 30.674,
339.260


 2, 30.674, 339.260


 32, 30.674,
339.260

 0, 30.674, 339.260

 42, 30.674,
339.260


 52, 30.674,
339.260


 62, 30.674,
339.260


 72, 30.674,
339.260


 82, 30.674,


339.260


 92, 30.674,
339.260

 12, 30.674,
339.260


 12, 30.674,
339.260


 11, 32.977,
340.177


 13, 28.198,
338.327

 10, 34.566,
340.679

 14, 25.129,
337.486

 16, 21.615,
336.713

 17, 17.796,
335.991

 19, 13.795,
335.310

■ 21, 9.707, 334.662

■ 23, 5.603, 334.039

■ 25, 1.533, 333.388

■ 27, 2.470, 152.983

Harmonies

Complementary

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



12, 30.674, 339.260



22, 31.626, 145.193

Rectangle

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



12, 30.674, 339.260



12, 30.674, 29.260



12, 30.674, 159.260



12, 30.674, 209.260

Sweetspot

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



12, 30.673, 339.260



28, 12.686, 334.810



7, 37.265, 306.578



12, 8.736, 334.897



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



12, 30.673, 339.260



15, 40.817, 341.397



11, 26.234, 14.147



10, 2.256, 333.706



19, 45.901, 341.823



50, 84.321, 343.257

Inverse Universe

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



12, 30.673, 339.260



15, 40.817, 341.397



22, 19.973, 172.378



10, 2.256, 333.706



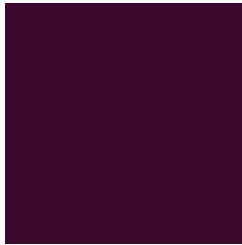
19, 45.901, 341.823



50, 84.321, 343.257

Previews

White Background



This preview shows how the CIELCh color 12, 30.674, 339.260 looks on a white background.

Color Contrast Check

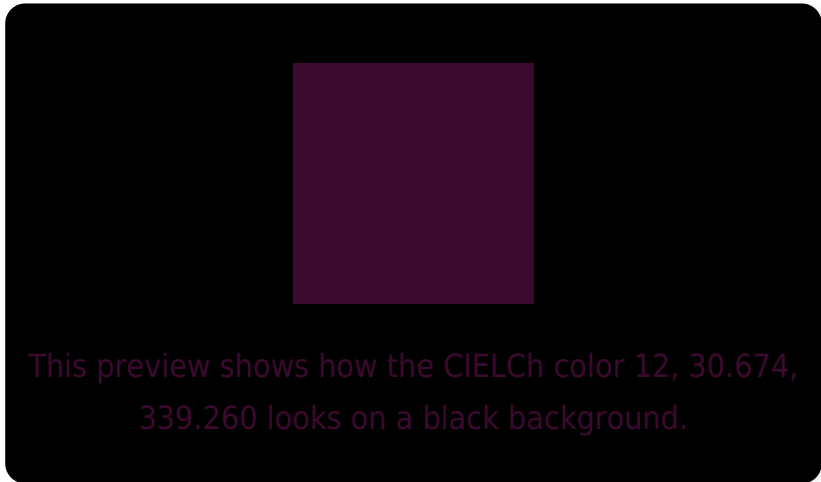
Large Text (above 18pt) WCAG AA ✓ Pass

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

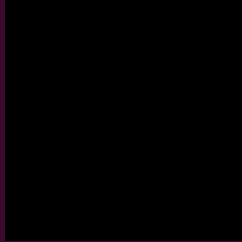
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 30.674, 339.260

Background



This preview shows how black text looks on a background with the CIELCh color 12, 30.674, 339.260.



This preview shows how white text looks on a background with the CIELCh color 12, 30.674, 339.260.

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

12, 30.674, 339.260

Protanopia

13, 22.471, 283.311

Deuteranopia

13, 7.909, 289.278



Tritanopia
13, 21.357, 24.834

Trichromacy



Original Color
12, 30.674, 339.260

Protanomaly
11, 24.154, 302.948

Deuteranomaly
12, 16.311, 321.930

Tritanomaly
12, 23.119, 4.524

Monochromacy



Original Color
12, 30.674, 339.260

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 13.603, 335.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 30.674, 339.260 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(61, 10, 47)` looks like.

```
.text, #text, p{  
    color:rgb(61, 10, 47)  
}
```

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(61, 10, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 10, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 30.674, 339.260 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(61, 10, 47) }
```

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

```
.border{ border-color:rgb(61, 10, 47) }
```

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

Here you see how a box with a 4 pixel rgb(61, 10, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 10, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 10, 47);  
box-shadow:4px 4px 4px 4px rgb(61, 10, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 30.674, 339.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 10, 47) }
```

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

```
.background{ background-color: rgb(61, 10,  
47) }
```

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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