

Converting Colors

CIELCh(12, 42.906, 326.680)

Have a look what the booklet for
CIELCh(12, 42.906, 326.680)
contains.

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Color

CIELCh(12, 42.979, 326.572)

Conversions

Conversions Part 1

Format	Color
Hex	3E0141
RGB	62, 1, 65
RGB Percent	24%, 0%, 25%
CMY	0.7582, 0.9972, 0.7464
CMYK	0.05, 0.99, 0.00, 0.75
HSL	297°, 98%, 13%
HSV	297°, 99%, 25%
XYZ	2.9178, 1.4064, 5.0700
YIQ	26.5350, 15.8120, 32.8360

Conversions

Conversions Part 2

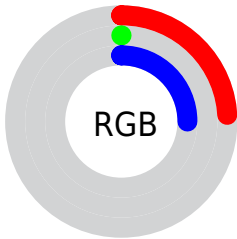
Format	Color
RYB	62, 1, 65
Decimal	4063553
CIELab	12.00, 35.87, -23.68
CIELCh	12, 42.979, 326.572
Yxy	1.4064, 0.3106, 0.1497
Android (android.graphics.Color)	4282253633 (0xFF3E0141)
YUV	26.5350, 18.9632, 31.1028
Hunter-Lab	11.8591, 23.1655, -17.0464

Details

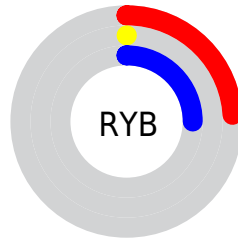
The CIELCh color **12, 42.979, 326.572** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 43.596, 136.108**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 42.980, 326.596**, and **0, 9.963, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 43.321, 326.594**, and if you desaturate by 10%, it is **13, 39.980, 326.391**.

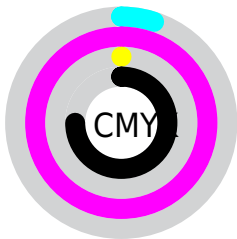
Distribution



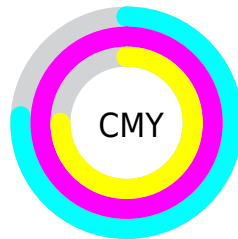
- Red (24%)
- Green (0%)
- Blue (25%)



- Red (24%)
- Yellow (0%)
- Blue (25%)



- Cyan (5%)
- Magenta (99%)
- Yellow (0%)
- Black (75%)





- Cyan (76%)
- Magenta (100%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 42.979, 326.572 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, 42.979, 326.572 by changing the saturation by 10% instead.

 12, 42.979,
326.572


 12, 42.979,
326.572


 100, 42.979,
326.572


 2, 42.979, 326.572


 32, 42.979,
326.572

 0, 42.979, 326.572

 42, 42.979,
326.572


 52, 42.979,
326.572


 62, 42.979,
326.572


 72, 42.979,
326.572


 82, 42.979,


326.572


 92, 42.979,
326.572


 12, 42.979,
326.572


 12, 42.979,
326.572


 12, 43.321,
326.594

 13, 39.980,
326.391

 14, 37.071,
326.226

 15, 33.517,
325.988

 16, 29.361,
325.679

 18, 24.760,
325.314

■ 20, 19.864,
324.908

■ 22, 14.799,
324.473

■ 24, 9.664, 324.021

■ 26, 4.532, 323.555

Harmonies

Complementary

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



12, 42.979, 326.572



23, 43.596, 136.108

Rectangle

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



12, 42.979, 326.572



12, 42.979, 16.572



12, 42.979, 146.572



12, 42.979, 196.572

Sweetspot

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



12, 42.978, 326.572



28, 19.112, 324.578



4, 42.931, 301.231



13, 13.150, 324.657



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



12, 42.978, 326.572



17, 51.708, 326.524



11, 32.446, 352.556



12, 2.887, 323.537



21, 57.017, 326.492



51, 105.186, 326.358

Inverse Universe

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



10, 33.079, 25.730



15, 41.939, 31.146



23, 32.555, 149.971



12, 1.690, 15.937



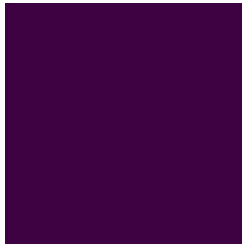
18, 47.375, 33.388



47, 93.065, 38.517

Previews

White Background



This preview shows how the CIELCh color 12, 42.979, 326.572 looks on a white background.

Color Contrast Check

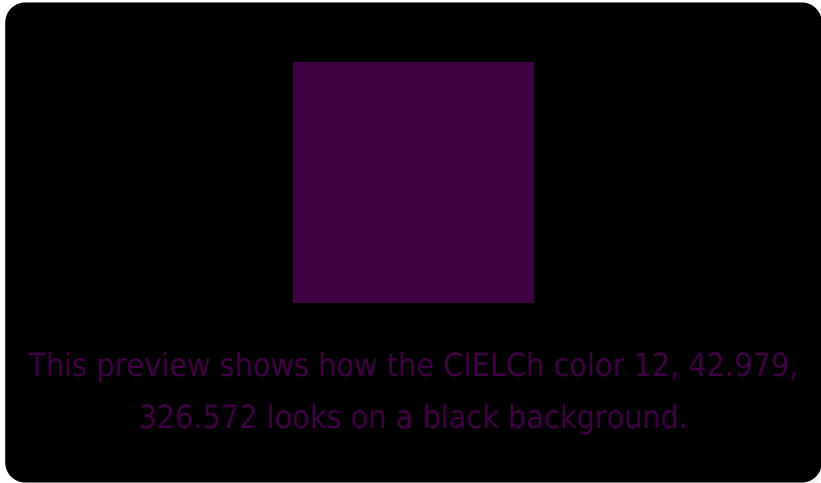
Large Text (above 18pt) WCAG AA ✓ Pass

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

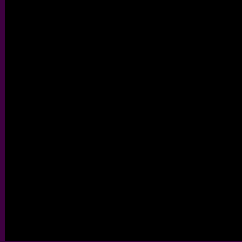
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 42.979, 326.572

Background



This preview shows how black text looks on a background with the CIELCh color 12, 42.979, 326.572.



This preview shows how white text looks on a background with the CIELCh color 12, 42.979, 326.572.

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, 42.979, 326.572

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 18.366, 276.533



Tritanopia
13, 17.106, 20.181

Trichromacy



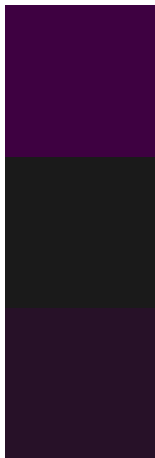
Original Color
12, 42.979, 326.572

Protanomaly
11, 34.042, 299.125

Deuteranomaly
11, 28.489, 305.541

Tritanomaly
12, 24.986, 346.043

Monochromacy



Original Color
12, 42.979, 326.572

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 19.351, 325.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 42.979, 326.572 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(62, 1, 65)` looks like.

```
.text, #text, p{  
    color:rgb(62, 1, 65)  
}
```

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(62, 1, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 1, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 42.979, 326.572 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(62, 1, 65) }
```

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

```
.border{ border-color:rgb(62, 1, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 1, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 1, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 1, 65); box-shadow:4px  
4px 4px 4px rgb(62, 1, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 42.979, 326.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 1, 65) }
```

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

```
.background{ background-color: rgb(62, 1,  
65) }
```

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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