

Converting Colors

CIELCh(12, 42.934, 326.278)

Have a look what the booklet for
CIELCh(12, 42.934, 326.278)
contains.

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Color

CIELCh(12, 43.011, 326.037)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 3D0141 |
| RGB | 61, 1, 65 |
| RGB Percent | 24%, 0%, 25% |
| CMY | 0.7601, 0.9955, 0.7444 |
| CMYK | 0.06, 0.98, 0.00, 0.74 |
| HSL | 296°, 97%, 13% |
| HSV | 296°, 98%, 26% |
| XYZ | 2.9069, 1.4064, 5.1447 |
| YIQ | 26.2360, 15.2160, 32.6240 |

Conversions

Conversions Part 2

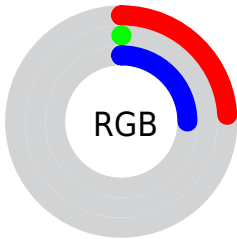
| Format | Color |
|-------------------------------------|--|
| RYB | 61, 1, 65 |
| Decimal | 3998017 |
| CIELab | 12.00, 35.67, -24.03 |
| CIElCh | 12, 43.011, 326.037 |
| Yxy | 1.4064, 0.3073, 0.1487 |
| Android (android.graphics.Color) | 4282188097 (0xFF3D0141) |
| YUV | 26.2360, 19.1107, 30.4880 |
| Hunter-Lab | 11.8591, 23.0007, -17.4200 |

Details

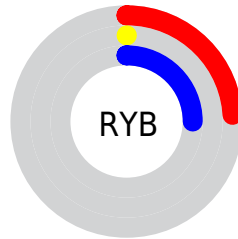
The CIELCh color **12, 43.011, 326.037** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 43.525, 135.910**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 42.857, 326.100**, and **0, 9.963, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 43.576, 326.071**, and if you desaturate by 10%, it is **13, 39.995, 325.875**.

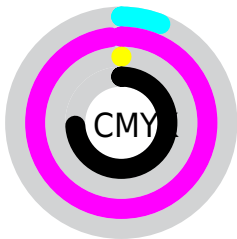
Distribution



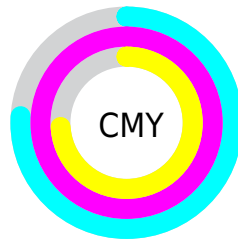
- Red (24%)
- Green (0%)
- Blue (25%)



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



- Cyan (6%)
- Magenta (98%)
- Yellow (0%)
- Black (74%)





- Cyan (76%)
- Magenta (100%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 43.011, 326.037 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, 43.011, 326.037 by changing the saturation by 10% instead.

 12, 43.011,
326.037


 12, 43.011,
326.037


 100, 43.011,
326.037


 2, 43.011, 326.037


 32, 43.011,
326.037

 0, 43.011, 326.037

 42, 43.011,
326.037


 52, 43.011,
326.037


 62, 43.011,
326.037


 72, 43.011,
326.037


 82, 43.011,


326.037


 92, 43.011,
326.037

 12, 43.011,
326.037


 12, 43.011,
326.037

 12, 43.576,
326.071

 13, 39.995,
325.875

 14, 37.028,
325.727

 15, 33.390,
325.499

 17, 29.162,
325.197

 18, 24.506,
324.837

■ 20, 19.571,
324.436

■ 22, 14.480,
324.007

■ 24, 9.329, 323.561

■ 26, 4.189, 323.101

Harmonies

Complementary

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



12, 43.011, 326.037



23, 43.525, 135.910

Rectangle

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



12, 43.011, 326.037



12, 43.011, 16.037



12, 43.011, 146.037



12, 43.011, 196.037

Sweetspot

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



12, 43.010, 326.037



29, 18.402, 324.093



5, 42.546, 301.065



13, 12.736, 324.177



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, 43.010, 326.037



17, 51.757, 325.982



11, 32.659, 351.253



12, 2.874, 323.116



20, 57.072, 325.939



51, 105.300, 325.764

Inverse Universe

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



10, 32.975, 25.344



15, 41.718, 30.528



23, 33.065, 149.268



12, 1.692, 14.707



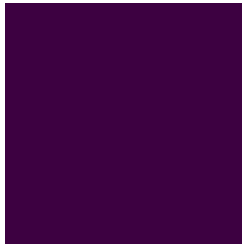
18, 47.091, 32.771



47, 92.451, 38.006

Previews

White Background



This preview shows how the CIELCh color 12, 43.011, 326.037 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

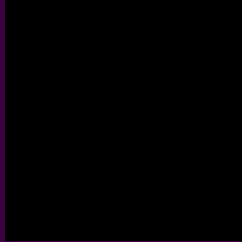
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 43.011, 326.037

Background



This preview shows how black text looks on a background with the CIELCh color 12, 43.011, 326.037.



This preview shows how white text looks on a background with the CIELCh color 12, 43.011, 326.037.

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, 43.011, 326.037

Protanopia

13, 28.245, 282.261

Deuteranopia

14, 18.495, 275.074



Tritanopia
14, 16.630, 22.107

Trichromacy



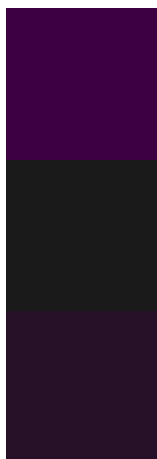
Original Color
12, 43.011, 326.037

Protanomaly
10, 34.813, 299.818

Deuteranomaly
11, 29.155, 304.073

Tritanomaly
13, 24.401, 346.414

Monochromacy



Original Color
12, 43.011, 326.037

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, 43.011, 326.037 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, 1, 65)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 1, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 1, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 43.011, 326.037 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, 1, 65) }
```

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

```
.border{ border-color:rgb(61, 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(61, 1, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 1, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 1, 65); box-shadow:4px  
4px 4px 4px rgb(61, 1, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 43.011, 326.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 1, 65) }
```

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

```
.background{ background-color: rgb(61, 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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