

Converting Colors

CIELCh(12, 40.366, 332.514)

Have a look what the booklet for
CIELCh(12, 40.366, 332.514)
contains.

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Color

CIELCh(12, 40.248, 332.431)

Conversions

Conversions Part 1

Format	Color
Hex	41003A
RGB	65, 0, 58
RGB Percent	25%, 0%, 23%
CMY	0.7465, 1.0000, 0.7739
CMYK	0.00, 1.00, 0.11, 0.75
HSL	306°, 100%, 13%
HSV	306°, 100%, 25%
XYZ	2.9072, 1.4064, 4.0758
YIQ	26.0470, 20.1220, 31.8180

Conversions

Conversions Part 2

Format	Color
R_{YB}	65, 0, 58
Decimal	4259898
CIE _{Lab}	12.00, 35.68, -18.63
CIE _{LCh}	12, 40.248, 332.431
Yxy	1.4064, 0.3465, 0.1676
Android (android.graphics.Color)	4282449978 (0xFF41003A)
YUV	26.0470, 15.7528, 34.1618
Hunter-Lab	11.8591, 23.0046, -12.0758

Details

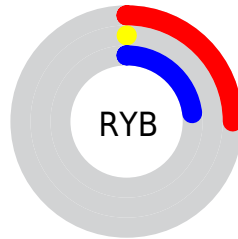
The CIELCh color **12, 40.248, 332.431** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 41.903, 138.821**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 39.996, 332.932**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 40.095, 332.434**, and if you desaturate by 10%, it is **13, 37.416, 332.006**.

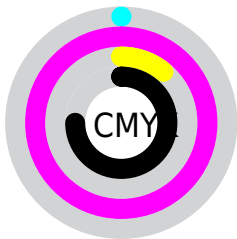
Distribution



- Red (25%)
- Green (0%)
- Blue (23%)



- Red (25%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (75%)





- Cyan (75%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 40.248, 332.431 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, 40.248, 332.431 by changing the saturation by 10% instead.

 12, 40.248,
332.431


 12, 40.248,
332.431


 100, 40.248,
332.431


 2, 40.248, 332.431


 32, 40.248,
332.431

 0, 40.248, 332.431

 42, 40.248,
332.431

 52, 40.248,
332.431


 62, 40.248,
332.431


 72, 40.248,
332.431


 82, 40.248,


332.431


 92, 40.248,
332.431


 12, 40.248,
332.431


 12, 40.248,
332.431


 12, 40.095,
332.434

 13, 37.416,
332.006

 14, 34.876,
331.551

 15, 31.734,
331.078

 16, 27.968,
330.589

 18, 23.736,
330.084

■ 20, 19.186,
329.568

■ 21, 14.449,
329.046

■ 23, 9.625, 328.521

■ 25, 4.792, 327.993

Harmonies

Complementary

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



12, 40.248, 332.431



23, 41.903, 138.821

Rectangle

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



12, 40.248, 332.431



12, 40.248, 22.431



12, 40.248, 152.431



12, 40.248, 202.431

Sweetspot

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



12, 40.095, 332.434



28, 17.992, 329.114



4, 45.053, 303.950



13, 12.378, 329.208



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, 40.095, 332.434



17, 47.721, 332.635



10, 31.582, 4.916



12, 2.721, 327.914



21, 52.540, 332.729



52, 96.312, 333.121

Inverse Universe

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



12, 40.095, 332.434



17, 47.721, 332.635



23, 28.225, 157.854



12, 2.721, 327.914



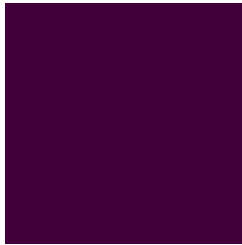
21, 52.540, 332.729



52, 96.312, 333.121

Previews

White Background



This preview shows how the CIELCh color 12, 40.248, 332.431 looks on a white background.

Color Contrast Check

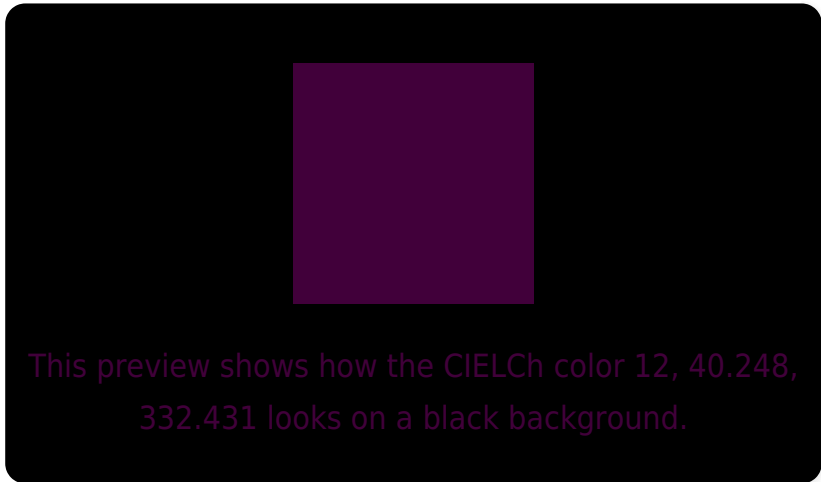
Large Text (above 18pt) WCAG AA ✓ Pass

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

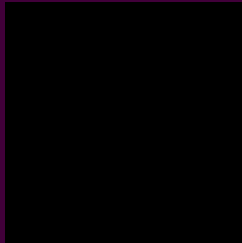
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 40.248, 332.431

Background



This preview shows how black text looks on a background with the CIELCh color 12, 40.248, 332.431.



This preview shows how white text looks on a background with the CIELCh color 12, 40.248, 332.431.

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, 40.248, 332.431

Protanopia

14, 28.189, 281.683

Deuteranopia

14, 13.031, 279.913



Tritanopia
14, 20.578, 24.153

Trichromacy



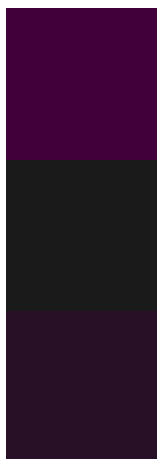
Original Color
12, 40.248, 332.431

Protanomaly
10, 33.418, 300.447

Deuteranomaly
12, 24.106, 313.511

Tritanomaly
13, 25.171, 355.554

Monochromacy



Original Color
12, 40.248, 332.431

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 18.421, 329.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 40.248, 332.431 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(65, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 58)  
}
```

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(65, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 40.248, 332.431 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(65, 0, 58) }
```

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

```
.border{ border-color:rgb(65, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 0, 58); box-shadow:4px  
4px 4px 4px rgb(65, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 40.248, 332.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 58) }
```

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

```
.background{ background-color: rgb(65, 0,  
58) }
```

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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