

Converting Colors

CIELCh(12, 37.647, 331.762)

Have a look what the booklet for
CIELCh(12, 37.647, 331.762)
contains.

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Color

CIELCh(12, 37.367, 331.945)

Conversions

Conversions Part 1

Format	Color
Hex	3E0438
RGB	62, 4, 56
RGB Percent	24%, 2%, 22%
CMY	0.7562, 0.9837, 0.7798
CMYK	0.00, 0.93, 0.10, 0.76
HSL	306°, 87%, 13%
HSV	306°, 93%, 24%
XYZ	2.7591, 1.4064, 3.8864
YIQ	27.2700, 17.8760, 28.4680

Conversions

Conversions Part 2

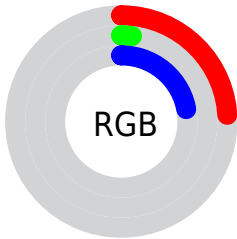
Format	Color
RYB	62, 4, 56
Decimal	4064312
CIELab	12.00, 32.98, -17.57
CIELCh	12, 37.367, 331.945
Yxy	1.4064, 0.3427, 0.1747
Android (android.graphics.Color)	4282254392 (0xFF3E0438)
YUV	27.2700, 14.1639, 30.4582
Hunter-Lab	11.8591, 20.7754, -11.1287




Details

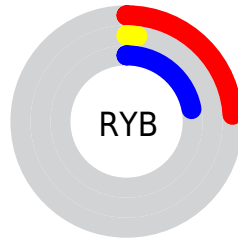
The CIELCh color **12, 37.367, 331.945** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 38.947, 139.249**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 37.183, 332.074**, and **0, 3.629, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **11, 39.219, 332.220**, and if you desaturate by 10%, it is **13, 34.809, 331.512**.

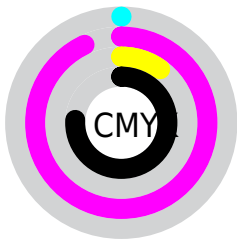
Distribution







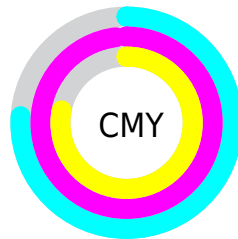
-  Red (24%)
-  Green (2%)
-  Blue (22%)






-  Red (24%)
-  Yellow (2%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (93%)
-  Yellow (10%)
-  Black (76%)



-  Cyan (76%)
-  Magenta (98%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 37.367, 331.945 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, 37.367, 331.945 by changing the saturation by 10% instead.

■ 12, 37.367,
331.945

■ 12, 37.367,
331.945

■ 100, 37.367,
331.945

■ 2, 37.367, 331.945

■ 32, 37.367,
331.945

■ 0, 37.367, 331.945

■ 42, 37.367,
331.945


■ 52, 37.367,
331.945


■ 62, 37.367,
331.945


■ 72, 37.367,
331.945


■ 82, 37.367,


331.945


 92, 37.367,
331.945


 12, 37.367,
331.945


 12, 37.367,
331.945


 11, 39.219,
332.220

 13, 34.809,
331.512

 14, 31.950,
331.057

 15, 28.451,
330.583

 17, 24.458,
330.091

 18, 20.120,
329.586

■ 20, 15.565,
329.072

■ 22, 10.900,
328.553

■ 24, 6.205, 328.033

■ 26, 1.538, 327.469

Harmonies

Complementary

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



12, 37.367, 331.945



22, 38.947, 139.249

Rectangle

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



12, 37.367, 331.945



12, 37.367, 21.945



12, 37.367, 151.945



12, 37.367, 201.945

Sweetspot

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



12, 37.366, 331.945



28, 16.423, 328.863



5, 41.074, 303.286



12, 11.142, 328.952



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, 37.366, 331.945



17, 46.886, 332.423



11, 28.997, 3.226



10, 2.547, 327.773



20, 51.746, 332.517



51, 95.813, 332.902

Inverse Universe

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



12, 37.366, 331.945



17, 46.886, 332.423



22, 26.008, 158.863



10, 2.547, 327.773



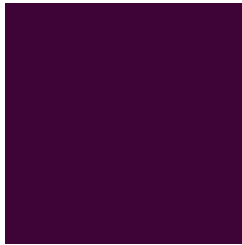
20, 51.746, 332.517



51, 95.813, 332.902

Previews

White Background



This preview shows how the CIELCh color 12, 37.367, 331.945 looks on a white background.

Color Contrast Check

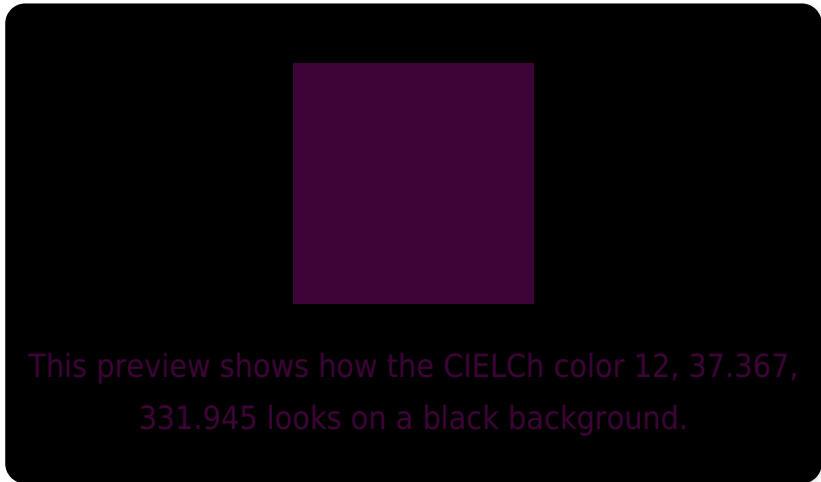
Large Text (above 18pt) WCAG AA ✓ Pass

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

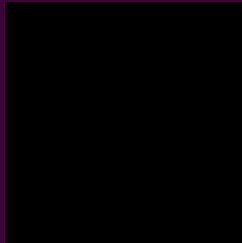
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 37.367, 331.945

Background



This preview shows how black text looks on a background with the CIELCh color 12, 37.367, 331.945.



This preview shows how white text looks on a background with the CIELCh color 12, 37.367, 331.945.

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, 37.367, 331.945

Protanopia

13, 26.948, 280.765

Deuteranopia

14, 13.078, 280.051



Tritanopia
13, 19.966, 22.153

Trichromacy



Original Color
12, 37.367, 331.945

Protanomaly
10, 31.302, 299.023

Deuteranomaly
12, 22.592, 312.491

Tritanomaly
12, 23.964, 354.432

Monochromacy



Original Color
12, 37.367, 331.945

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 16.829, 329.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 37.367, 331.945 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, 4, 56)` looks like.

```
.text, #text, p{  
    color:rgb(62, 4, 56)  
}
```

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, 4, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 4, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 37.367, 331.945 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, 4, 56) }
```

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

```
.border{ border-color:rgb(62, 4, 56) }
```

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

Here you see how a box with a 4 pixel rgb(62, 4, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 4, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 4, 56); box-shadow:4px  
4px 4px 4px rgb(62, 4, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 37.367, 331.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 4, 56) }
```

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

```
.background{ background-color: rgb(62, 4,  
56) }
```

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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