

Converting Colors

CIELCh(8, 47.902, 343.733)

Have a look what the booklet for
CIELCh(8, 47.902, 343.733) contains.

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Color

CIELCh(12, 34.818, 348.021)

Conversions

Conversions Part 1

Format	Color
Hex	44002A
RGB	68, 0, 42
RGB Percent	27%, 0%, 16%
CMY	0.7327, 0.9994, 0.8347
CMYK	0.00, 1.00, 0.38, 0.73
HSL	323°, 100%, 13%
HSV	323°, 100%, 27%
XYZ	2.8178, 1.4064, 2.3271
YIQ	25.1200, 27.0460, 27.4780

Conversions

Conversions Part 2

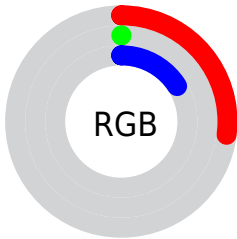
Format	Color
R_{YB}	68, 0, 42
Decimal	4456490
CIE Lab	12.00, 34.06, -7.23
CIE LCh	12, 34.818, 348.021
Yxy	1.4064, 0.4301, 0.2147
Android (android.graphics.Color)	4282646570 (0xFF44002A)
YUV	25.1200, 8.3218, 37.6058
Hunter-Lab	11.8591, 21.6601, -3.3329

Details

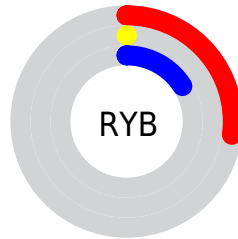
The CIELCh color **12, 34.818, 348.021** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 36.218, 146.753**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 34.354, 348.209**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 34.869, 348.049**, and if you desaturate by 10%, it is **13, 32.540, 346.636**.

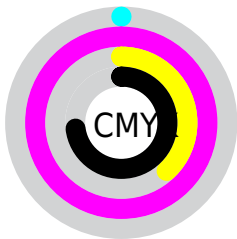
Distribution



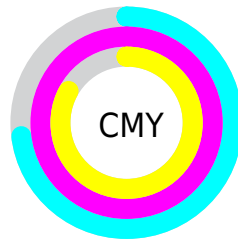
- Red (27%)
- Green (0%)
- Blue (16%)



- Red (27%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (73%)





- Cyan (73%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 34.818, 348.021 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, 34.818, 348.021 by changing the saturation by 10% instead.

 12, 34.818,
348.021


 12, 34.818,
348.021


 100, 34.818,
348.021


 2, 34.818, 348.021


 32, 34.818,
348.021

 0, 34.818, 348.021

 42, 34.818,
348.021


 52, 34.818,
348.021


 62, 34.818,
348.021


 72, 34.818,
348.021


 82, 34.818,


348.021


 92, 34.818,
348.021


 12, 34.818,
348.021

 12, 34.818,
348.021


 12, 34.869,
348.049

 13, 32.540,
346.636

 14, 30.413,
345.109

 15, 27.662,
343.780

 17, 24.329,
342.636

 19, 20.580,
341.631

■ 21, 16.566,
340.729

■ 23, 12.413,
339.908

■ 25, 8.214, 339.148

■ 27, 4.033, 338.428

Harmonies

Complementary

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



12, 34.818, 348.021



24, 36.218, 146.753

Rectangle

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



12, 34.818, 348.021



12, 34.818, 38.021



12, 34.818, 168.021



12, 34.818, 218.021

Sweetspot

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



12, 34.816, 348.022



30, 15.642, 340.025



6, 47.785, 309.802



13, 10.764, 340.184



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



12, 34.816, 348.022



18, 41.525, 349.196



11, 34.146, 23.324



12, 2.237, 338.333



19, 43.877, 349.509



49, 79.803, 351.821

Inverse Universe

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



12, 34.816, 348.022



18, 41.525, 349.196



25, 21.761, 179.915



12, 2.237, 338.333



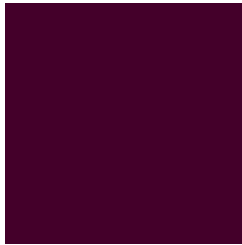
19, 43.877, 349.509



49, 79.803, 351.821

Previews

White Background



This preview shows how the CIELCh color 12, 34.818, 348.021 looks on a white background.

Color Contrast Check

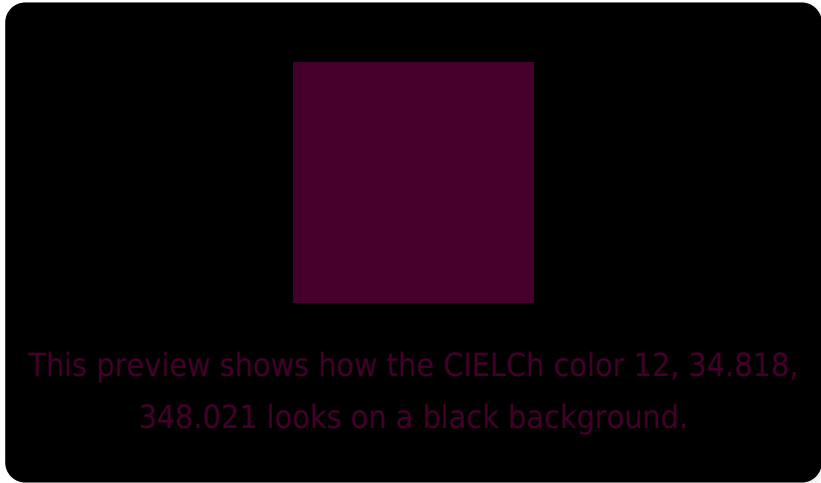
Large Text (above 18pt) WCAG AA ✓ Pass

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

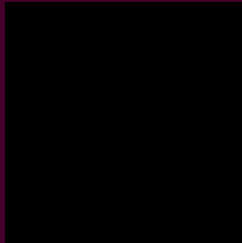
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 34.818, 348.021

Background



This preview shows how black text looks on a background with the CIELCh color 12, 34.818, 348.021.



This preview shows how white text looks on a background with the CIELCh color 12, 34.818, 348.021.

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, 34.818, 348.021

Protanopia

14, 17.911, 284.743

Deuteranopia

14, 3.209, 317.617



Tritanopia
13, 27.382, 28.453

Trichromacy



Original Color
12, 34.818, 348.021

Protanomaly
11, 24.247, 314.512

Deuteranomaly
12, 17.774, 339.353

Tritanomaly
13, 28.147, 11.844

Monochromacy



Original Color
12, 34.818, 348.021

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 16.145, 343.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 34.818, 348.021 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(68, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(68, 0, 42)  
}
```

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(68, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 34.818, 348.021 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(68, 0, 42) }
```

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

```
.border{ border-color:rgb(68, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 0, 42); box-shadow:4px  
4px 4px 4px rgb(68, 0, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 34.818, 348.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 42) }
```

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

```
.background{ background-color: rgb(68, 0,  
42) }
```

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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