

Converting Colors

CIELCh(9, 45.645, 339.190)

Have a look what the booklet for
CIELCh(9, 45.645, 339.190) contains.

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Color

CIELCh(12, 36.389, 340.825)

Conversions

Conversions Part 1

Format	Color
Hex	430031
RGB	67, 0, 49
RGB Percent	26%, 0%, 19%
CMY	0.7389, 0.9981, 0.8098
CMYK	0.00, 0.99, 0.27, 0.74
HSL	316°, 99%, 13%
HSV	316°, 99%, 26%
XYZ	2.8348, 1.4064, 2.9735
YIQ	25.6190, 24.2030, 29.4430

Conversions

Conversions Part 2

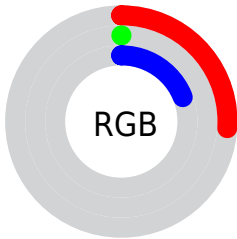
Format	Color
R_{YB}	67, 0, 49
Decimal	4390961
CIE _{Lab}	12.00, 34.37, -11.95
CIE _{LCh}	12, 36.389, 340.825
Yxy	1.4064, 0.3929, 0.1949
Android (android.graphics.Color)	4282581041 (0xFF430031)
YUV	25.6190, 11.5268, 36.2911
Hunter-Lab	11.8591, 21.9158, -6.5647

Details

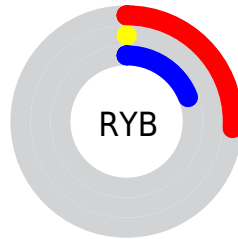
The CIELCh color **12, 36.389, 340.825** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 38.606, 143.003**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 36.557, 340.899**, and **0, 0.277, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **12, 36.573, 340.888**, and if you desaturate by 10%, it is **13, 34.024, 339.906**.

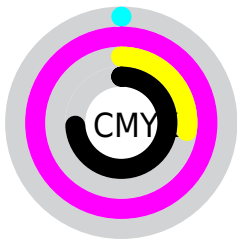
Distribution



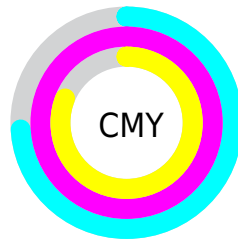
- Red (26%)
- Green (0%)
- Blue (19%)



- Red (26%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (99%)
- Yellow (27%)
- Black (74%)





- Cyan (74%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 36.389, 340.825 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, 36.389, 340.825 by changing the saturation by 10% instead.

 12, 36.389,
340.825


 12, 36.389,
340.825


 100, 36.389,
340.825


 2, 36.389, 340.825


 32, 36.389,
340.825

 0, 36.389, 340.825

 42, 36.389,
340.825


 52, 36.389,
340.825


 62, 36.389,
340.825


 72, 36.389,
340.825


 82, 36.389,


340.825


 92, 36.389,
340.825


 12, 36.389,
340.825


 12, 36.389,
340.825


 12, 36.573,
340.888

 13, 34.024,
339.906

 14, 31.772,
338.903

 15, 28.874,
337.992

 17, 25.379,
337.165

 18, 21.454,
336.402

■ 20, 17.247,
335.687

■ 22, 12.885,
335.010

■ 24, 8.462, 334.364

■ 26, 4.047, 333.735

Harmonies

Complementary

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



12, 36.389, 340.825



24, 38.606, 143.003

Rectangle

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



12, 36.389, 340.825



12, 36.389, 30.825



12, 36.389, 160.825



12, 36.389, 210.825

Sweetspot

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



12, 36.388, 340.825



29, 16.450, 335.142



5, 46.495, 307.401



13, 11.044, 335.254



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, 36.388, 340.825



17, 43.401, 341.573



11, 32.628, 17.815



12, 2.419, 333.687



20, 46.760, 341.829



50, 85.087, 343.210

Inverse Universe

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



12, 36.388, 340.825



17, 43.401, 341.573



24, 23.810, 170.190



12, 2.419, 333.687



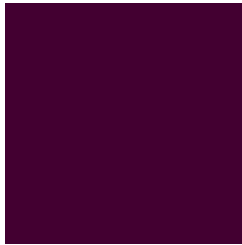
20, 46.760, 341.829



50, 85.087, 343.210

Previews

White Background



This preview shows how the CIELCh color 12, 36.389, 340.825 looks on a white background.

Color Contrast Check

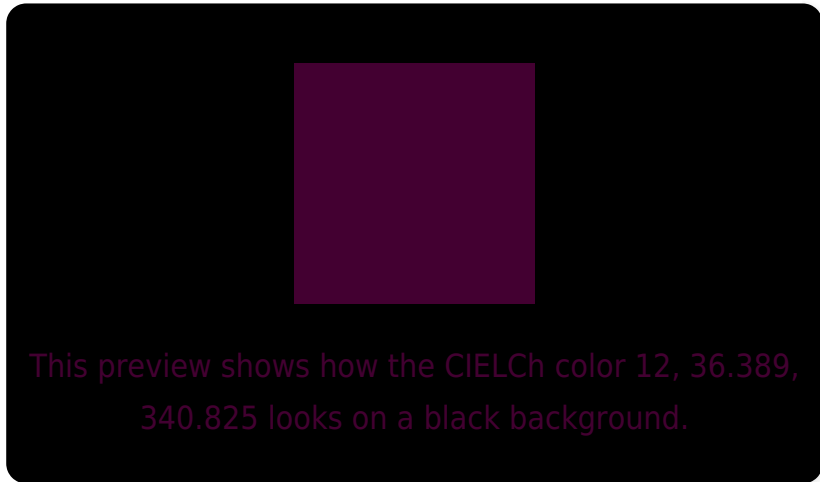
Large Text (above 18pt) WCAG AA ✓ Pass

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

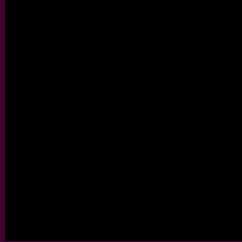
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 36.389, 340.825

Background



This preview shows how black text looks on a background with the CIELCh color 12, 36.389, 340.825.



This preview shows how white text looks on a background with the CIELCh color 12, 36.389, 340.825.

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, 36.830, 340.628

Protanopia

14, 24.400, 283.804

Deuteranopia

14, 7.130, 292.183



Tritanopia
13, 24.539, 26.216

Trichromacy



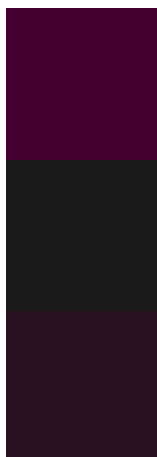
Original Color
12, 36.830, 340.628

Protanomaly
11, 29.263, 306.169

Deuteranomaly
12, 20.038, 326.701

Tritanomaly
12, 26.940, 5.283

Monochromacy



Original Color
12, 36.830, 340.628

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 16.659, 337.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 36.389, 340.825 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(67, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(67, 0, 49)  
}
```

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(67, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 0, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 36.389, 340.825 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(67, 0, 49) }
```

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

```
.border{ border-color:rgb(67, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(67, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 0, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(67, 0, 49); box-shadow:4px  
4px 4px 4px rgb(67, 0, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 36.389, 340.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 0, 49) }
```

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

```
.background{ background-color: rgb(67, 0,  
49) }
```

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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