

Converting Colors

CIELCh(12, 32.999, 4.425)

Have a look what the booklet for
CIELCh(12, 32.999, 4.425) contains.

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Color

CIELCh(12, 32.905, 4.805)

Conversions

Conversions Part 1

Format	Color
Hex	46011D
RGB	70, 1, 29
RGB Percent	27%, 0%, 11%
CMY	0.7259, 0.9964, 0.8866
CMYK	0.00, 0.99, 0.59, 0.73
HSL	336°, 97%, 14%
HSV	336°, 99%, 27%
XYZ	2.7490, 1.4064, 1.2837
YIQ	24.8230, 32.1360, 23.3360

Conversions

Conversions Part 2

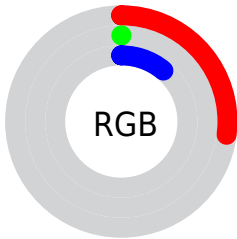
Format	Color
R_YB	70, 1, 29
Decimal	4587805
CIE Lab	12.00, 32.79, 2.76
CIE LCh	12, 32.905, 4.805
Yxy	1.4064, 0.5054, 0.2586
Android (android.graphics.Color)	4282777885 (0xFF46011D)
YUV	24.8230, 2.0593, 39.6202
Hunter-Lab	11.8591, 20.6241, 1.8834

Details

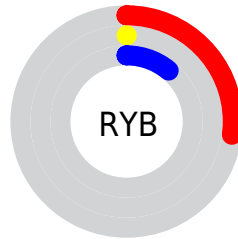
The CIELCh color **12, 32.905, 4.805** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **25, 29.799, 157.326**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 32.781, 4.826**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 33.259, 5.099**, and if you desaturate by 10%, it is **13, 30.430, 2.312**.

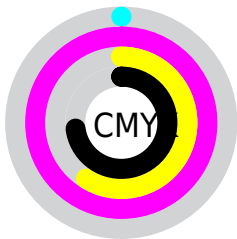
Distribution



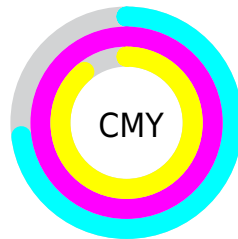
- Red (27%)
- Green (0%)
- Blue (11%)



- Red (27%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (99%)
- Yellow (59%)
- Black (73%)



- Cyan (73%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 32.905, 4.805 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, 32.905, 4.805 by changing the saturation by 10% instead.

 12, 32.905, 4.805  12, 32.905, 4.805

 100, 32.905, 4.805  2, 32.905, 4.805

 32, 32.905, 4.805  0, 32.905, 4.805

 42, 32.905, 4.805

 52, 32.905, 4.805

 62, 32.905, 4.805

 72, 32.905, 4.805

 82, 32.905, 4.805

 92, 32.905, 4.805

 12, 32.905, 4.805  12, 32.905, 4.805

■ 12, 33.259, 5.099

■ 13, 30.430, 2.312

■ 14, 28.103,
359.599

■ 16, 25.238,
357.361

■ 17, 21.924,
355.528

■ 19, 18.314,
354.001

■ 21, 14.541,
352.704

■ 23, 10.713,
351.580

■ 25, 6.905, 350.587

■ 28, 3.168, 349.676

Harmonies

Complementary

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



12, 32.905, 4.805



25, 29.799, 157.326

Rectangle

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



12, 32.905, 4.805



12, 32.905, 54.805



12, 32.905, 184.805



12, 32.905, 234.805

Sweetspot

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



12, 32.903, 4.806



31, 14.076, 351.853



8, 47.213, 315.093



13, 9.476, 352.058



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, 32.903, 4.806



17, 40.024, 7.241



12, 34.338, 33.032



13, 2.068, 349.670



19, 42.330, 7.796



48, 77.685, 11.859

Inverse Universe

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



12, 32.903, 4.806



17, 40.024, 7.241



24, 17.869, 209.150



13, 2.068, 349.670



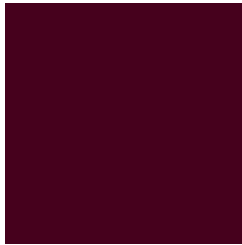
19, 42.330, 7.796



48, 77.685, 11.859

Previews

White Background



This preview shows how the CIELCh color 12, 32.905, 4.805 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

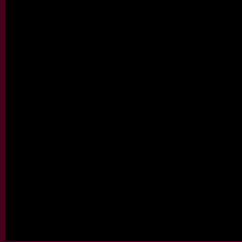
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 32.905, 4.805

Background



This preview shows how black text looks on a background with the CIELCh color 12, 32.905, 4.805.

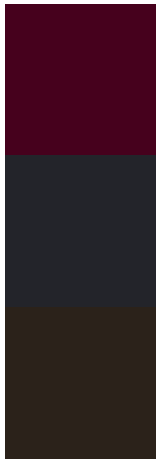


This preview shows how white text looks on a background with the CIELCh color 12, 32.905, 4.805.

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, 32.905, 4.805

Protanopia

14, 4.282, 285.211

Deuteranopia

14, 7.535, 68.376



Tritanopia
13, 30.963, 30.009

Trichromacy



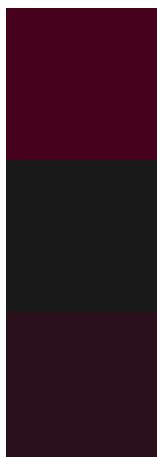
Original Color
12, 32.905, 4.805

Protanomaly
12, 15.502, 344.572

Deuteranomaly
12, 16.584, 13.006

Tritanomaly
12, 30.914, 21.371

Monochromacy



Original Color
12, 32.905, 4.805

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 14.560, 355.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 32.905, 4.805 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(70, 1, 29)` looks like.

```
.text, #text, p{  
    color:rgb(70, 1, 29)  
}
```

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(70, 1, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 1, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 32.905, 4.805 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(70, 1, 29) }
```

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

```
.border{ border-color:rgb(70, 1, 29) }
```

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

Here you see how a box with a 4 pixel rgb(70, 1, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 1, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 1, 29); box-shadow:4px  
4px 4px 4px rgb(70, 1, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 32.905, 4.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 1, 29) }
```

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

```
.background{ background-color: rgb(70, 1,  
29) }
```

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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