

Converting Colors

CIELCh(11, 47.787, 324.547)

Have a look what the booklet for
CIELCh(11, 47.787, 324.547)
contains.

CIELCh(12, 45.007, 324.170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 45.007, 324.170)

Conversions

Conversions Part 1

Format	Color
Hex	3C0044
RGB	60, 0, 68
RGB Percent	24%, 0%, 27%
CMY	0.7629, 0.9985, 0.7316
CMYK	0.12, 0.99, 0.00, 0.73
HSL	293°, 99%, 13%
HSV	293°, 99%, 27%
XYZ	2.9527, 1.4064, 5.6555
YIQ	25.6920, 13.9320, 33.8680

Conversions

Conversions Part 2

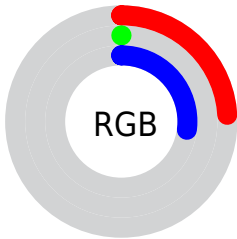
Format	Color
R_{YB}	60, 0, 68
Decimal	3932228
CIE _{Lab}	12.00, 36.49, -26.35
CIE _{LCh}	12, 45.007, 324.170
Yxy	1.4064, 0.2948, 0.1404
Android (android.graphics.Color)	4282122308 (0xFF3C0044)
YUV	25.6920, 20.8578, 30.0881
Hunter-Lab	11.8591, 23.6897, -19.9738

Details

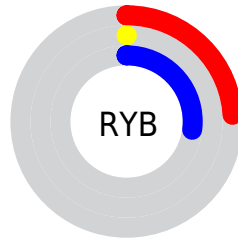
The CIELCh color **12, 45.007, 324.170** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 45.134, 134.930**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 45.299, 323.949**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 45.199, 324.179**, and if you desaturate by 10%, it is **13, 41.830, 324.061**.

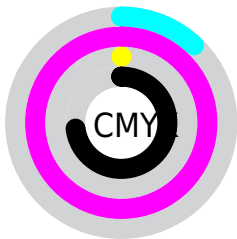
Distribution



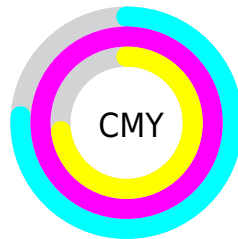
- Red (24%)
- Green (0%)
- Blue (27%)



- Red (24%)
- Yellow (0%)
- Blue (27%)



- Cyan (12%)
- Magenta (99%)
- Yellow (0%)
- Black (73%)



- Cyan (76%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 45.007, 324.170 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, 45.007, 324.170 by changing the saturation by 10% instead.

■ 12, 45.007,
324.170

■ 12, 45.007,
324.170

■ 100, 45.007,
324.170

■ 2, 45.007, 324.170

■ 32, 45.007,
324.170

■ 0, 45.007, 324.170

■ 42, 45.007,
324.170


■ 52, 45.007,
324.170


■ 62, 45.007,
324.170


■ 72, 45.007,
324.170


■ 82, 45.007,


324.170


 92, 45.007,
324.170


 12, 45.007,
324.170


 12, 45.007,
324.170


 12, 45.199,
324.179

 13, 41.830,
324.061

 14, 38.766,
323.991

 16, 35.014,
323.825

 17, 30.645,
323.567

 19, 25.835,
323.240

■ 21, 20.743,
322.865

■ 23, 15.499,
322.459

■ 25, 10.202,
322.036

■ 27, 4.922, 321.601

Harmonies

Complementary

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



12, 45.007, 324.170



24, 45.134, 134.930

Rectangle

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



12, 45.007, 324.170



12, 45.007, 14.170



12, 45.007, 144.170



12, 45.007, 194.170

Sweetspot

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



12, 45.006, 324.170



30, 19.702, 322.535



6, 42.888, 300.464



13, 13.557, 322.616



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, 45.006, 324.170



17, 54.137, 324.016



12, 35.106, 346.885



12, 2.826, 321.558



19, 57.329, 323.972



49, 105.831, 323.652

Inverse Universe

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



11, 34.282, 24.114



16, 43.035, 29.227



25, 36.716, 146.152



12, 1.707, 10.295



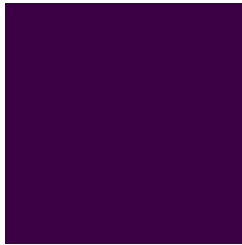
18, 46.098, 30.452



47, 89.705, 35.527

Previews

White Background



This preview shows how the CIELCh color 12, 45.007, 324.170 looks on a white background.

Color Contrast Check

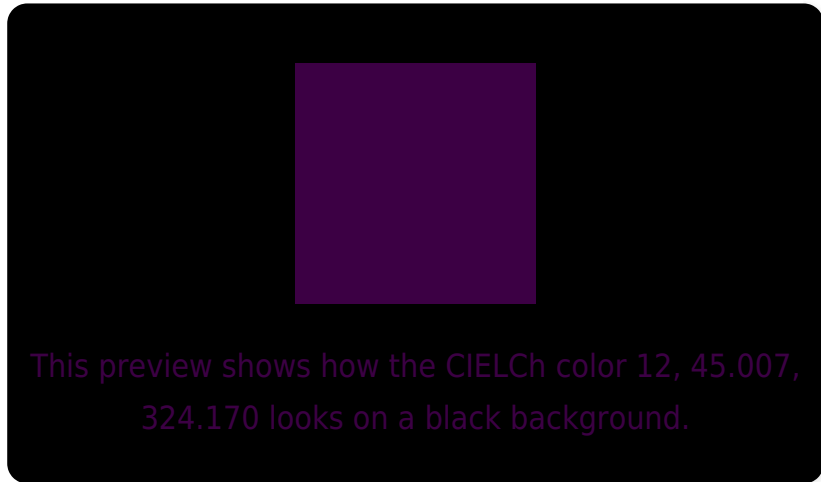
Large Text (above 18pt) WCAG AA ✓ Pass

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

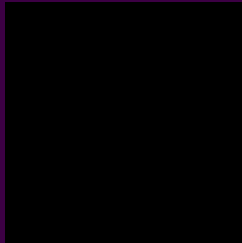
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 45.007, 324.170

Background



This preview shows how black text looks on a background with the CIELCh color 12, 45.007, 324.170.



This preview shows how white text looks on a background with the CIELCh color 12, 45.007, 324.170.

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, 45.007, 324.170

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 20.937, 273.167



Tritanopia
14, 14.855, 18.564

Trichromacy



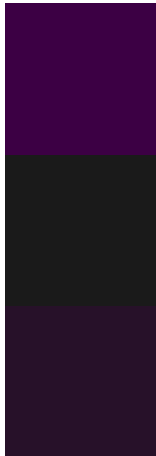
Original Color
12, 45.007, 324.170

Protanomaly
11, 35.483, 299.937

Deuteranomaly
11, 31.247, 300.540

Tritanomaly
12, 24.563, 341.767

Monochromacy



Original Color
12, 45.007, 324.170

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 19.930, 324.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 45.007, 324.170 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(60, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(60, 0, 68)  
}
```

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(60, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 0, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 45.007, 324.170 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(60, 0, 68) }
```

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

```
.border{ border-color:rgb(60, 0, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 0, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 0, 68); -webkit-box-shadow:4px  
4px 4px 4px rgb(60, 0, 68); box-shadow:4px  
4px 4px 4px rgb(60, 0, 68) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 45.007, 324.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 0, 68) }
```

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

```
.background{ background-color: rgb(60, 0,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor