

Converting Colors

CIELCh(12, 33.749, 335.172)

Have a look what the booklet for
CIELCh(12, 33.749, 335.172)
contains.

CIELCh(12, 33.692, 335.245)	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, 33.692, 335.245)

Conversions

Conversions Part 1

Format	Color
Hex	3D0733
RGB	61, 7, 51
RGB Percent	24%, 3%, 20%
CMY	0.7593, 0.9710, 0.7987
CMYK	0.00, 0.88, 0.16, 0.76
HSL	311°, 79%, 13%
HSV	311°, 88%, 24%
XYZ	2.6328, 1.4064, 3.3044
YIQ	28.1620, 18.0600, 25.1320

Conversions

Conversions Part 2

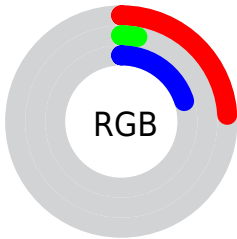
Format	Color
R_{YB}	61, 7, 51
Decimal	3999539
CIE Lab	12.00, 30.60, -14.11
CIE LCh	12, 33.692, 335.245
Yxy	1.4064, 0.3585, 0.1915
Android (android.graphics.Color)	4282189619 (0xFF3D0733)
YUV	28.1620, 11.2591, 28.7989
Hunter-Lab	11.8591, 18.8753, -8.2191




Details

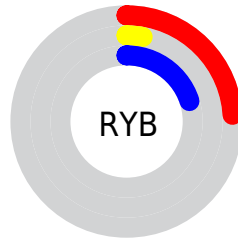
The CIELCh color **12, 33.692, 335.245** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 35.203, 141.839**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 34.237, 335.003**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 36.234, 335.856**, and if you desaturate by 10%, it is **13, 31.259, 334.582**.

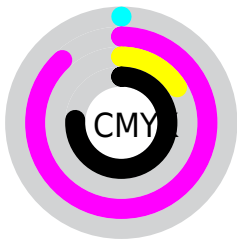
Distribution







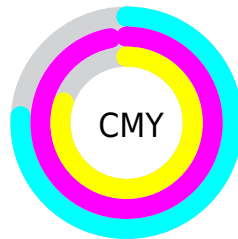
-  Red (24%)
-  Green (3%)
-  Blue (20%)






-  Red (24%)
-  Yellow (3%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (88%)
-  Yellow (16%)
-  Black (76%)





-  Cyan (76%)
-  Magenta (97%)
-  Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 33.692, 335.245 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, 33.692, 335.245 by changing the saturation by 10% instead.

 12, 33.692,
335.245


 12, 33.692,
335.245


 100, 33.692,
335.245


 2, 33.692, 335.245


 32, 33.692,
335.245

 0, 33.692, 335.245

 42, 33.692,
335.245


 52, 33.692,
335.245


 62, 33.692,
335.245


 72, 33.692,
335.245


 82, 33.692,


335.245


 92, 33.692,
335.245


 12, 33.692,
335.245


 12, 33.692,
335.245


 11, 36.234,
335.856


 13, 31.259,
334.582

 11, 36.789,
335.972

 14, 28.242,
333.941

 16, 24.689,
333.323

 17, 20.749,
332.721

 19, 16.556,
332.131

■ 21, 12.222,
331.553

■ 22, 7.834, 330.987

■ 24, 3.455, 330.422

■ 26, 0.873, 150.085

Harmonies

Complementary

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



12, 33.692, 335.245



22, 35.203, 141.839

Rectangle

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



12, 33.692, 335.245



12, 33.692, 25.245



12, 33.692, 155.245



12, 33.692, 205.245

Sweetspot

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



12, 33.691, 335.245



27, 14.034, 331.506



6, 38.930, 304.737



12, 9.601, 331.575



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, 33.691, 335.245



16, 43.307, 336.373



11, 27.268, 8.722



10, 2.404, 330.449



20, 48.757, 336.617



50, 89.879, 337.436

Inverse Universe

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



12, 33.691, 335.245



16, 43.307, 336.373



22, 22.606, 165.232



10, 2.404, 330.449



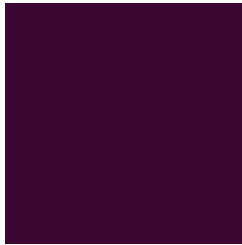
20, 48.757, 336.617



50, 89.879, 337.436

Previews

White Background



This preview shows how the CIELCh color 12, 33.692, 335.245 looks on a white background.

Color Contrast Check

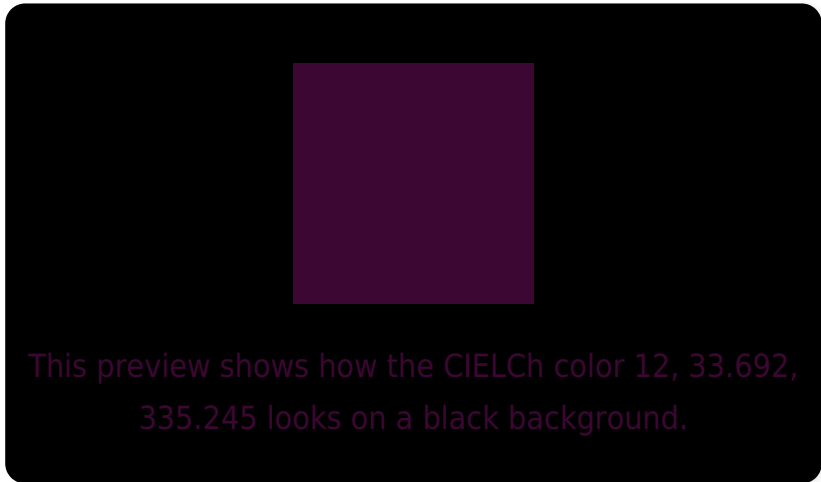
Large Text (above 18pt) WCAG AA ✓ Pass

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

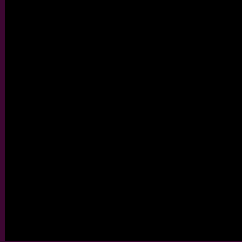
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 33.692, 335.245

Background



This preview shows how black text looks on a background with the CIELCh color 12, 33.692, 335.245.



This preview shows how white text looks on a background with the CIELCh color 12, 33.692, 335.245.

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, 33.692, 335.245

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 10.170, 281.278



Tritanopia
13, 20.754, 24.500

Trichromacy



Original Color
12, 33.692, 335.245

Protanomaly
10, 28.467, 297.181

Deuteranomaly
12, 19.464, 316.901

Tritanomaly
12, 23.436, 359.359

Monochromacy



Original Color
12, 33.692, 335.245

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 14.921, 333.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 33.692, 335.245 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(61, 7, 51)` looks like.

```
.text, #text, p{  
    color:rgb(61, 7, 51)  
}
```

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(61, 7, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 7, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 33.692, 335.245 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(61, 7, 51) }
```

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

```
.border{ border-color:rgb(61, 7, 51) }
```

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

Here you see how a box with a 4 pixel rgb(61, 7, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 7, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 7, 51); box-shadow:4px  
4px 4px 4px rgb(61, 7, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 33.692, 335.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 7, 51) }
```

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

```
.background{ background-color: rgb(61, 7,  
51) }
```

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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