

Converting Colors

CIELCh(0, 78.172, 332.042)

Have a look what the booklet for
CIELCh(0, 78.172, 332.042) contains.

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Color

CIELCh(11, 39.331, 331.308)

Conversions

Conversions Part 1

Format	Color
Hex	3D0038
RGB	61, 0, 56
RGB Percent	24%, 0%, 22%
CMY	0.7619, 1.0000, 0.7814
CMYK	0.00, 1.00, 0.08, 0.76
HSL	305°, 100%, 12%
HSV	305°, 100%, 24%
XYZ	2.6118, 1.2610, 3.8132
YIQ	24.6230, 18.3800, 30.3480

Conversions

Conversions Part 2

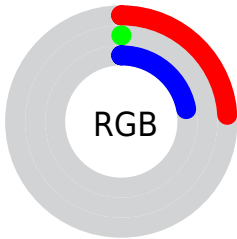
Format	Color
RYB	61, 0, 56
Decimal	3997752
CIELab	11.00, 34.50, -18.88
CIELCh	11, 39.331, 331.308
Yxy	1.2610, 0.3398, 0.1641
Android (android.graphics.Color)	4282187832 (0xFF3D0038)
YUV	24.6230, 15.4689, 31.9026
Hunter-Lab	11.2295, 21.8641, -12.2727

Details

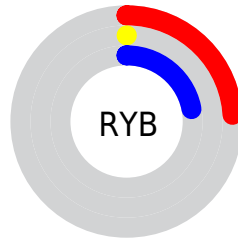
The CIELCh color **11, 39.331, 331.308** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 40.490, 138.664**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 38.910, 331.409**, and **0, 3.629, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **11, 39.212, 331.307**, and if you desaturate by 10%, it is **12, 36.421, 330.933**.

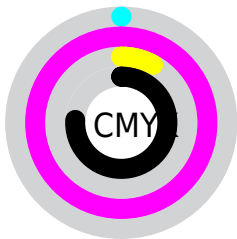
Distribution



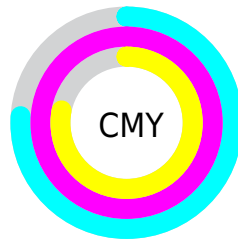
- Red (24%)
- Green (0%)
- Blue (22%)



- Red (24%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (76%)





- Cyan (76%)
- Magenta (100%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 39.331, 331.308 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 11, 39.331, 331.308 by changing the saturation by 10% instead.

 11, 39.331,
331.308


 11, 39.331,
331.308


 100, 39.331,
331.308


 1, 39.331, 331.308


 31, 39.331,
331.308


 0, 39.331, 331.308

 41, 39.331,
331.308


 51, 39.331,
331.308


 61, 39.331,
331.308


 71, 39.331,
331.308


 81, 39.331,


331.308


 91, 39.331,
331.308


 11, 39.331,
331.308


 11, 39.331,
331.308

 11, 39.212,
331.307

 12, 36.421,
330.933

 13, 33.821,
330.541

 14, 30.724,
330.123

 15, 27.049,
329.676

 17, 22.941,
329.206

■ 18, 18.537,
328.718

■ 20, 13.958,
328.219

■ 22, 9.299, 327.713

■ 24, 4.630, 327.201

Harmonies

Complementary

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



11, 39.331, 331.308



21, 40.490, 138.664

Rectangle

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



11, 39.331, 331.308



11, 39.331, 21.308



11, 39.331, 151.308



11, 39.331, 201.308

Sweetspot

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



11, 39.212, 331.307



27, 17.389, 328.287



3, 41.818, 302.096



12, 11.968, 328.368



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



11, 39.212, 331.307



16, 46.616, 331.459



9, 30.442, 1.551



10, 2.585, 327.119



20, 52.574, 331.546



52, 97.470, 331.838

Inverse Universe

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



11, 39.212, 331.307



16, 46.616, 331.459



22, 27.925, 156.146



10, 2.585, 327.119



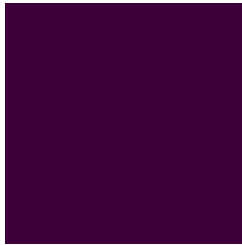
20, 52.574, 331.546



52, 97.470, 331.838

Previews

White Background



This preview shows how the CIELCh color 11, 39.331, 331.308 looks on a white background.

Color Contrast Check

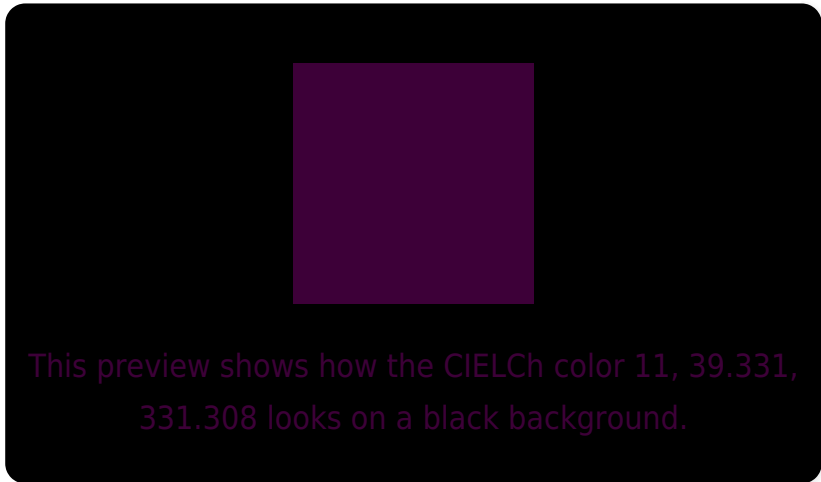
Large Text (above 18pt) WCAG AA ✓ Pass

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

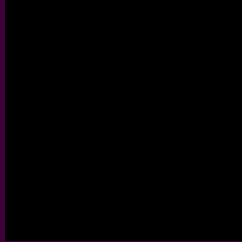
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 39.331, 331.308

Background



This preview shows how black text looks on a background with the CIELCh color 11, 39.331, 331.308.



This preview shows how white text looks on a background with the CIELCh color 11, 39.331, 331.308.

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

11, 39.331, 331.308

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 13.199, 278.686



Tritanopia
13, 19.613, 23.881

Trichromacy



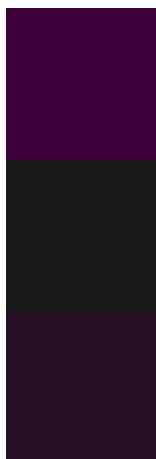
Original Color
11, 39.331, 331.308

Protanomaly
10, 32.203, 299.934

Deuteranomaly
11, 23.394, 312.069

Tritanomaly
12, 24.493, 354.093

Monochromacy



Original Color
11, 39.331, 331.308

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 17.716, 329.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 39.331, 331.308 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, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 56)  
}
```

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, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 39.331, 331.308 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, 0, 56) }
```

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

```
.border{ border-color:rgb(61, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(61, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 0, 56); box-shadow:4px  
4px 4px 4px rgb(61, 0, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 39.331, 331.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 56) }
```

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

```
.background{ background-color: rgb(61, 0,  
56) }
```

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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