

Converting Colors

CIELCh(12, 33.623, 327.720)

Have a look what the booklet for
CIELCh(12, 33.623, 327.720)
contains.

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Color

CIELCh(12, 33.735, 327.699)

Conversions

Conversions Part 1

Format	Color
Hex	390C39
RGB	57, 12, 57
RGB Percent	22%, 5%, 22%
CMY	0.7778, 0.9543, 0.7777
CMYK	0.00, 0.79, 0.00, 0.78
HSL	300°, 66%, 13%
HSV	300°, 79%, 22%
XYZ	2.5256, 1.4064, 3.9670
YIQ	30.5850, 12.3750, 23.5350

Conversions

Conversions Part 2

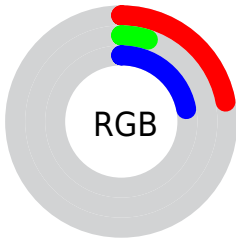
Format	Color
RYB	57, 12, 57
Decimal	3738681
CIELab	12.00, 28.51, -18.03
CIElCh	12, 33.735, 327.699
Yxy	1.4064, 0.3197, 0.1780
Android (android.graphics.Color)	4281928761 (0xFF390C39)
YUV	30.5850, 13.0226, 23.1660
Hunter-Lab	11.8591, 17.2621, -11.5320

Details

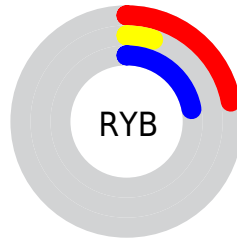
The CIELCh color **12, 33.735, 327.699** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **20, 34.218, 138.450**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 33.251, 327.896**, and **0, 4.446, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **11, 36.520, 327.946**, and if you desaturate by 10%, it is **13, 30.532, 327.409**.

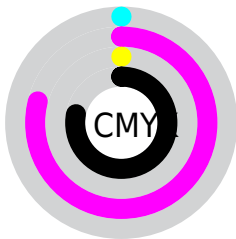
Distribution



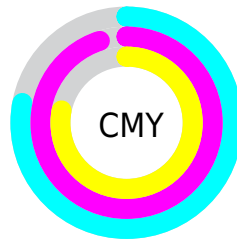
- Red (22%)
- Green (5%)
- Blue (22%)



- Red (22%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (79%)
- Yellow (0%)
- Black (78%)





- Cyan (78%)
- Magenta (95%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 33.735, 327.699 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, 33.735, 327.699 by changing the saturation by 10% instead.

 12, 33.735,
327.699


 12, 33.735,
327.699


 100, 33.735,
327.699


 2, 33.735, 327.699


 32, 33.735,
327.699

 0, 33.735, 327.699

 42, 33.735,
327.699


 52, 33.735,
327.699


 62, 33.735,
327.699


 72, 33.735,
327.699


 82, 33.735,


327.699


 92, 33.735,
327.699


 12, 33.735,
327.699


 12, 33.735,
327.699


 11, 36.520,
327.946


 13, 30.532,
327.409


 10, 39.509,
328.206

 14, 26.797,
327.064

 10, 39.678,
328.221

 16, 22.661,
326.673

 17, 18.251,
326.248

 19, 13.677,
325.797

■ 20, 9.028, 325.331

■ 22, 4.371, 324.850

■ 24, 0.244, 144.844

■ 26, 4.785, 143.972

Harmonies

Complementary

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



12, 33.735, 327.699



20, 34.218, 138.450

Rectangle

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



12, 33.735, 327.699



12, 33.735, 17.699



12, 33.735, 147.699



12, 33.735, 197.699

Sweetspot

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



12, 33.734, 327.699



26, 13.918, 325.599



6, 32.639, 299.660



12, 9.654, 325.659



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



12, 33.734, 327.699



16, 45.842, 328.117



11, 24.971, 351.111



9, 2.536, 324.793



20, 54.787, 328.220



52, 103.128, 328.219

Inverse Universe

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



10, 24.721, 26.076



13, 36.515, 30.590



20, 23.985, 154.714



9, 1.459, 19.715



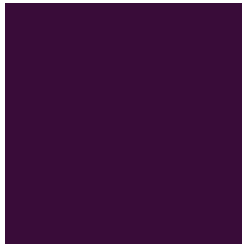
17, 46.052, 34.445



46, 93.303, 39.988

Previews

White Background



This preview shows how the CIELCh color 12, 33.735, 327.699 looks on a white background.

Color Contrast Check

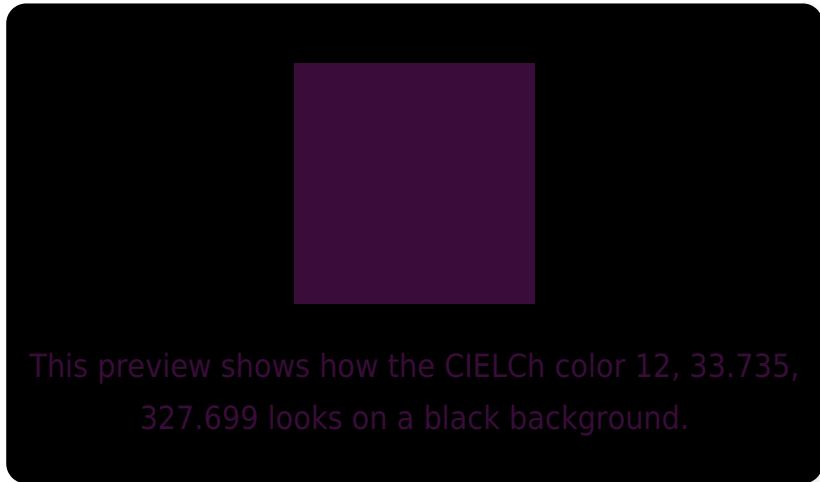
Large Text (above 18pt) WCAG AA ✓ Pass

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

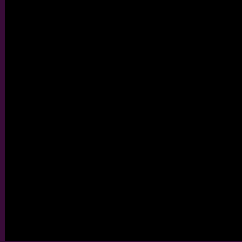
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 33.735, 327.699

Background



This preview shows how black text looks on a background with the CIELCh color 12, 33.735, 327.699.



This preview shows how white text looks on a background with the CIELCh color 12, 33.735, 327.699.

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, 33.735, 327.699

Protanopia

12, 27.053, 281.979

Deuteranopia

13, 14.769, 277.053



Tritanopia
13, 15.593, 19.308

Trichromacy



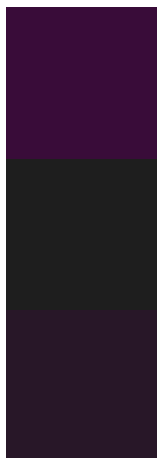
Original Color
12, 33.735, 327.699

Protanomaly
11, 29.084, 296.158

Deuteranomaly
12, 21.362, 305.436

Tritanomaly
12, 19.725, 349.533

Monochromacy



Original Color
12, 33.735, 327.699

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 14.643, 326.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 33.735, 327.699 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(57, 12, 57)` looks like.

```
.text, #text, p{  
    color:rgb(57, 12, 57)  
}
```

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(57, 12, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 12, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 33.735, 327.699 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(57, 12, 57) }
```

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

```
.border{ border-color:rgb(57, 12, 57) }
```

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

Here you see how a box with a 4 pixel rgb(57, 12, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 12, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 12, 57);  
box-shadow:4px 4px 4px 4px rgb(57, 12, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 33.735, 327.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 12, 57) }
```

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

```
.background{ background-color: rgb(57, 12,  
57) }
```

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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