

Converting Colors

CIELCh(8, 55.935, 332.271)

Have a look what the booklet for
CIELCh(8, 55.935, 332.271) contains.

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Color

CIELCh(12, 40.693, 332.373)

Conversions

Conversions Part 1

Format	Color
Hex	41003A
RGB	65, 0, 58
RGB Percent	25%, 0%, 23%
CMY	0.7454, 1.0000, 0.7725
CMYK	0.00, 1.00, 0.11, 0.75
HSL	306°, 100%, 13%
HSV	306°, 100%, 25%
XYZ	2.9281, 1.4064, 4.1203
YIQ	26.0470, 20.1220, 31.8180

Conversions

Conversions Part 2

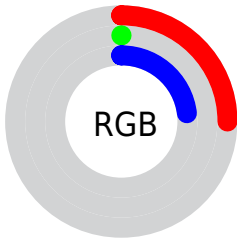
Format	Color
R _Y B	65, 0, 58
Decimal	4259898
CIE Lab	12.00, 36.05, -18.87
CIE LCh	12, 40.693, 332.373
Yxy	1.4064, 0.3463, 0.1663
Android (android.graphics.Color)	4282449978 (0xFF41003A)
YUV	26.0470, 15.7528, 34.1618
Hunter-Lab	11.8591, 23.3205, -12.2982

Details

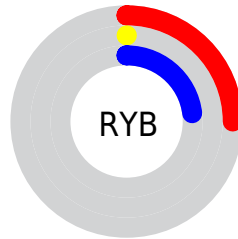
The CIELCh color **12, 40.693, 332.373** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 42.072, 138.771**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 39.996, 332.932**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 40.247, 332.379**, and if you desaturate by 10%, it is **13, 37.570, 331.954**.

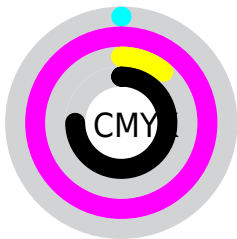
Distribution



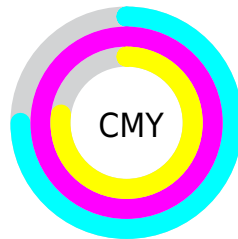
- Red (25%)
- Green (0%)
- Blue (23%)



- Red (25%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (75%)





- Cyan (75%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 40.693, 332.373 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, 40.693, 332.373 by changing the saturation by 10% instead.

 12, 40.693,
332.373


 12, 40.693,
332.373


 100, 40.693,
332.373


 2, 40.693, 332.373


 32, 40.693,
332.373

 0, 40.693, 332.373

 42, 40.693,
332.373


 52, 40.693,
332.373


 62, 40.693,
332.373


 72, 40.693,
332.373


 82, 40.693,


332.373


 92, 40.693,
332.373


 12, 40.693,
332.373


 12, 40.693,
332.373


 12, 40.247,
332.379

 13, 37.570,
331.954

 14, 35.027,
331.502

 15, 31.874,
331.032

 16, 28.094,
330.545

 18, 23.844,
330.041

■ 20, 19.274,
329.526

■ 22, 14.515,
329.004

■ 23, 9.670, 328.480

■ 25, 4.815, 327.952

Harmonies

Complementary

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



12, 40.693, 332.373



23, 42.072, 138.771

Rectangle

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



12, 40.693, 332.373



12, 40.693, 22.373



12, 40.693, 152.373



12, 40.693, 202.373

Sweetspot

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



12, 40.247, 332.379



28, 18.009, 329.071



4, 45.278, 304.023



13, 12.390, 329.165



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



12, 40.247, 332.379



17, 47.768, 332.574



11, 31.673, 4.956



12, 2.723, 327.873



21, 52.592, 332.667



52, 96.415, 333.052

Inverse Universe

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



12, 40.247, 332.379



17, 47.768, 332.574



23, 28.317, 157.835



12, 2.723, 327.873



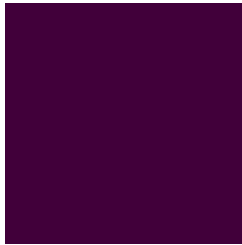
21, 52.592, 332.667



52, 96.415, 333.052

Previews

White Background



This preview shows how the CIELCh color 12, 40.693, 332.373 looks on a white background.

Color Contrast Check

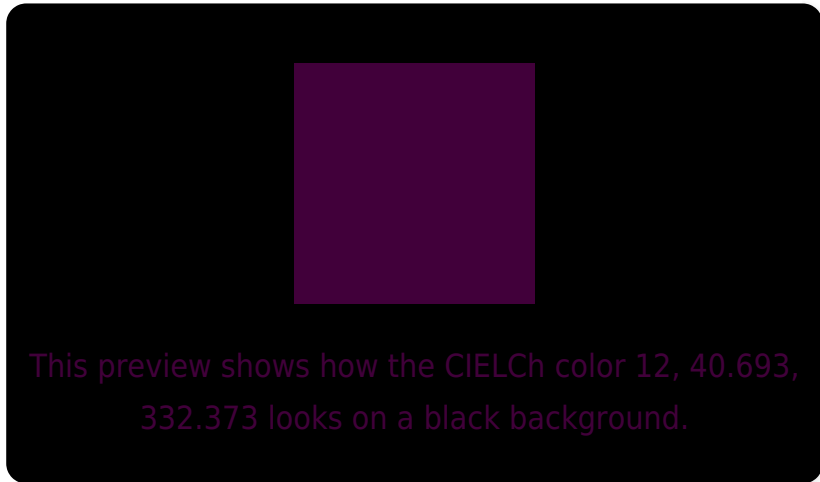
Large Text (above 18pt) WCAG AA ✓ Pass

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

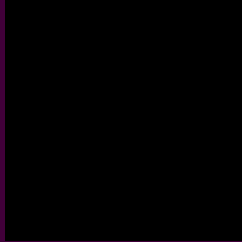
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 40.693, 332.373

Background



This preview shows how black text looks on a background with the CIELCh color 12, 40.693, 332.373.



This preview shows how white text looks on a background with the CIELCh color 12, 40.693, 332.373.

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, 40.248, 332.431

Protanopia

14, 28.189, 281.683

Deuteranopia

14, 13.031, 279.913



Tritanopia
14, 21.101, 24.366

Trichromacy



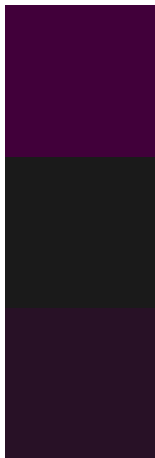
Original Color
12, 40.248, 332.431

Protanomaly
10, 33.418, 300.447

Deuteranomaly
12, 24.106, 313.511

Tritanomaly
13, 25.508, 356.353

Monochromacy



Original Color
12, 40.248, 332.431

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 18.421, 329.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 40.693, 332.373 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(65, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 58)  
}
```

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(65, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 40.693, 332.373 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(65, 0, 58) }
```

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

```
.border{ border-color:rgb(65, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 0, 58); box-shadow:4px  
4px 4px 4px rgb(65, 0, 58) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 40.693, 332.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 58) }
```

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

```
.background{ background-color: rgb(65, 0,  
58) }
```

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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