

Converting Colors

CIELCh(12, 38.897, 333.808)

Have a look what the booklet for
CIELCh(12, 38.897, 333.808)
contains.

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Color

CIELCh(12, 38.923, 333.824)

Conversions

Conversions Part 1

Format	Color
Hex	410138
RGB	65, 1, 56
RGB Percent	25%, 0%, 22%
CMY	0.7467, 0.9974, 0.7818
CMYK	0.00, 0.99, 0.14, 0.75
HSL	308°, 98%, 13%
HSV	308°, 99%, 25%
XYZ	2.8657, 1.4064, 3.8152
YIQ	26.4060, 20.4890, 30.6730

Conversions

Conversions Part 2

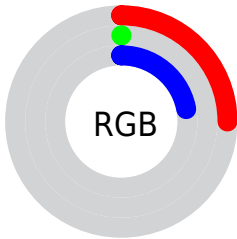
Format	Color
R_{YB}	65, 1, 56
Decimal	4260152
CIE _{Lab}	12.00, 34.93, -17.17
CIE _{LCh}	12, 38.923, 333.824
Yxy	1.4064, 0.3543, 0.1739
Android (android.graphics.Color)	4282450232 (0xFF410138)
YUV	26.4060, 14.5898, 33.8469
Hunter-Lab	11.8591, 22.3807, -10.7730

Details

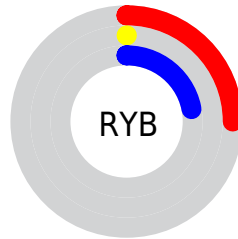
The CIELCh color **12, 38.923, 333.824** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 40.916, 139.561**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 39.167, 334.170**, and **0, 3.629, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 39.199, 333.873**, and if you desaturate by 10%, it is **13, 36.329, 333.319**.

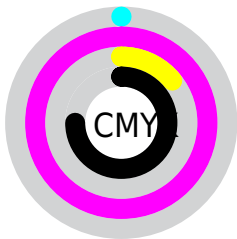
Distribution



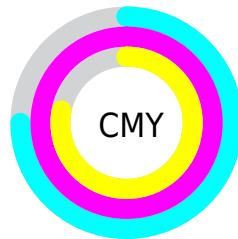
- Red (25%)
- Green (0%)
- Blue (22%)



- Red (25%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (99%)
- Yellow (14%)
- Black (75%)





- Cyan (75%)
- Magenta (100%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 38.923, 333.824 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, 38.923, 333.824 by changing the saturation by 10% instead.

 12, 38.923,
333.824


 12, 38.923,
333.824

 100, 38.923,
333.824

 2, 38.923, 333.824


 32, 38.923,
333.824

 0, 38.923, 333.824

 42, 38.923,
333.824

 52, 38.923,
333.824


 62, 38.923,
333.824


 72, 38.923,
333.824


 82, 38.923,


333.824

 92, 38.923,
333.824


 12, 38.923,
333.824


 12, 38.923,
333.824

 12, 39.199,
333.873

 13, 36.329,
333.319

 14, 33.830,
332.777

 15, 30.694,
332.234

 16, 26.957,
331.690

 18, 22.775,
331.144

■ 20, 18.299,
330.596

■ 22, 13.651,
330.049

■ 24, 8.930, 329.506

■ 26, 4.208, 328.961

Harmonies

Complementary

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



12, 38.923, 333.824



23, 40.916, 139.561

Rectangle

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



12, 38.923, 333.824



12, 38.923, 23.824



12, 38.923, 153.824



12, 38.923, 203.824

Sweetspot

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



12, 38.922, 333.824



28, 17.597, 330.175



4, 44.765, 304.521



13, 12.107, 330.274



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, 38.922, 333.824



17, 46.624, 334.153



10, 31.272, 7.558



12, 2.660, 328.936



21, 51.310, 334.283



52, 93.892, 334.828

Inverse Universe

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



12, 38.922, 333.824



17, 46.624, 334.153



23, 27.005, 160.116



12, 2.660, 328.936



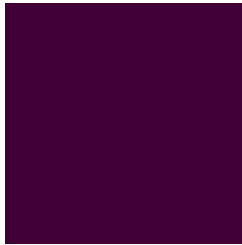
21, 51.310, 334.283



52, 93.892, 334.828

Previews

White Background



This preview shows how the CIELCh color 12, 38.923, 333.824 looks on a white background.

Color Contrast Check

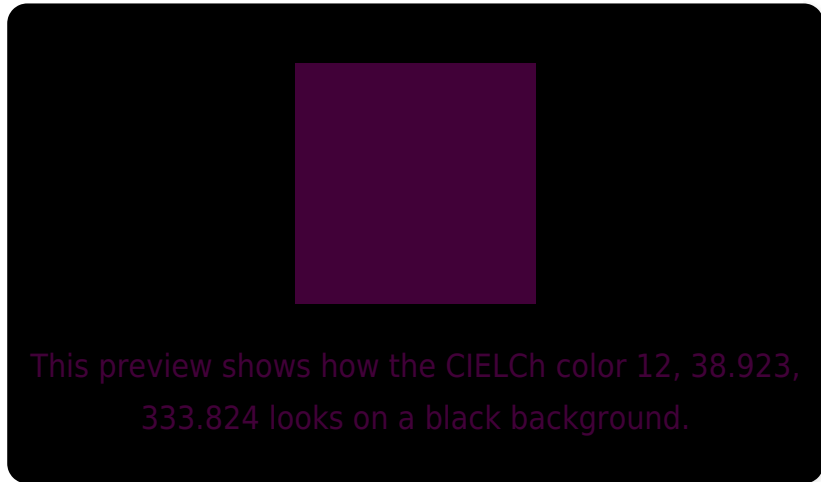
Large Text (above 18pt) WCAG AA ✓ Pass

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

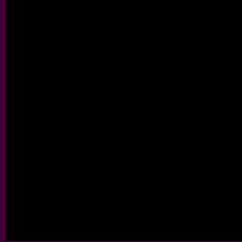
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 38.923, 333.824

Background



This preview shows how black text looks on a background with the CIELCh color 12, 38.923, 333.824.



This preview shows how white text looks on a background with the CIELCh color 12, 38.923, 333.824.

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, 38.923, 333.824

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 11.603, 279.365



Tritanopia
14, 21.712, 24.755

Trichromacy



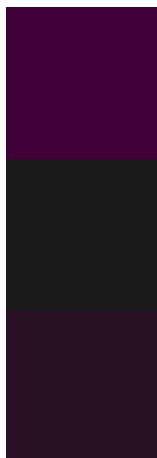
Original Color
12, 38.923, 333.824

Protanomaly
11, 31.985, 299.155

Deuteranomaly
12, 22.908, 315.650

Tritanomaly
13, 25.833, 357.351

Monochromacy



Original Color
12, 38.923, 333.824

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 17.889, 330.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 38.923, 333.824 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, 1, 56)` looks like.

```
.text, #text, p{  
    color:rgb(65, 1, 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(65, 1, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 1, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 38.923, 333.824 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, 1, 56) }
```

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

```
.border{ border-color:rgb(65, 1, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 1, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 1, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 1, 56); box-shadow:4px  
4px 4px 4px rgb(65, 1, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 38.923, 333.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 1, 56) }
```

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

```
.background{ background-color: rgb(65, 1,  
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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