

Converting Colors

CIELCh(12, 29.249, 338.800)

Have a look what the booklet for
CIELCh(12, 29.249, 338.800)
contains.

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Color

CIELCh(12, 28.977, 338.938)

Conversions

Conversions Part 1

Format	Color
Hex	3B0C2E
RGB	59, 12, 46
RGB Percent	23%, 5%, 18%
CMY	0.7676, 0.9519, 0.8187
CMYK	0.00, 0.79, 0.22, 0.77
HSL	317°, 66%, 14%
HSV	317°, 79%, 23%
XYZ	2.4516, 1.4064, 2.7514
YIQ	29.9290, 17.0980, 20.5380

Conversions

Conversions Part 2

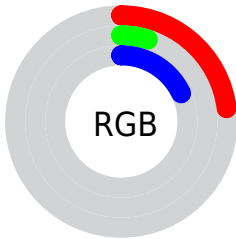
Format	Color
R_{YB}	59, 12, 46
Decimal	3869742
CIE _{Lab}	12.00, 27.04, -10.41
CIE _{LCh}	12, 28.977, 338.938
Yxy	1.4064, 0.3709, 0.2128
Android (android.graphics.Color)	4282059822 (0xFF3B0C2E)
YUV	29.9290, 7.9230, 25.4953
Hunter-Lab	11.8591, 16.1469, -5.4544




Details

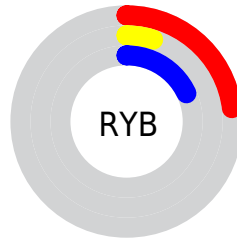
The CIELCh color **12, 28.977, 338.938** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 29.558, 146.008**, and the grayscale version is **11, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 29.176, 338.531**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 31.240, 339.886**, and if you desaturate by 10%, it is **13, 26.259, 338.049**.

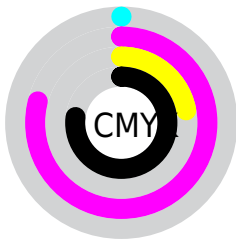
Distribution







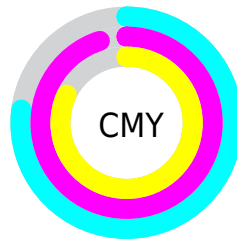
-  Red (23%)
-  Green (5%)
-  Blue (18%)






-  Red (23%)
-  Yellow (5%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (79%)
-  Yellow (22%)
-  Black (77%)




-  Cyan (77%)
-  Magenta (95%)
-  Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 28.977, 338.938 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, 28.977, 338.938 by changing the saturation by 10% instead.

 12, 28.977,
338.938

 12, 28.977,
338.938

 100, 28.977,
338.938

 2, 28.977, 338.938

 32, 28.977,
338.938

 0, 28.977, 338.938

 42, 28.977,
338.938


 52, 28.977,
338.938


 62, 28.977,
338.938


 72, 28.977,
338.938


 82, 28.977,


338.938


 92, 28.977,
338.938


 12, 28.977,
338.938


 12, 28.977,
338.938


 11, 31.240,
339.886


 13, 26.259,
338.049


 10, 33.745,
340.715

 15, 23.036,
337.241

 10, 33.936,
340.768

 16, 19.447,
336.493

 18, 15.622,
335.791

 19, 11.668,
335.126

■ 21, 7.664, 334.492

■ 23, 3.670, 333.874

■ 25, 0.274, 153.855

■ 27, 4.144, 152.834

Harmonies

Complementary

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



12, 28.977, 338.938



21, 29.558, 146.008

Rectangle

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



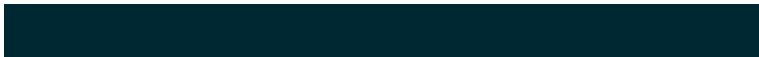
12, 28.977, 338.938



12, 28.977, 28.938



12, 28.977, 158.938



12, 28.977, 208.938

Sweetspot

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



12, 28.976, 338.938



27, 11.824, 334.856



7, 34.713, 306.372



11, 7.975, 334.930



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, 28.976, 338.938



15, 38.752, 340.986



11, 24.484, 12.717



10, 2.252, 333.823



19, 45.814, 342.012



50, 84.153, 343.469

Inverse Universe

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



12, 28.976, 338.938



15, 38.752, 340.986



22, 18.879, 173.036



10, 2.252, 333.823



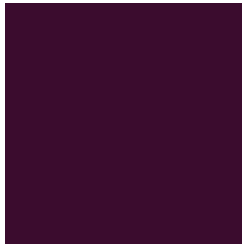
19, 45.814, 342.012



50, 84.153, 343.469

Previews

White Background



This preview shows how the CIE LCh color 12, 28.977, 338.938 looks on a white background.

Color Contrast Check

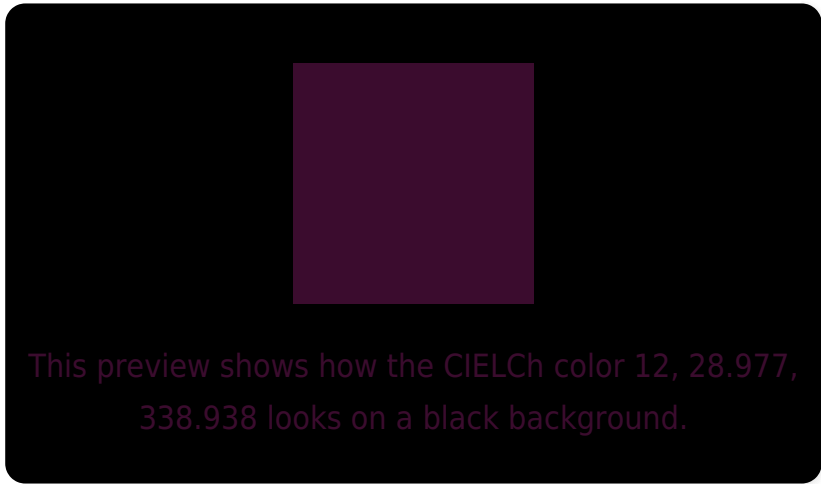
Large Text (above 18pt) WCAG AA ✓ Pass

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

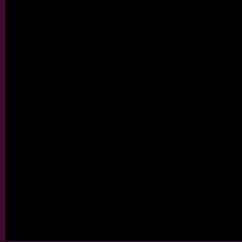
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 28.977, 338.938

Background



This preview shows how black text looks on a background with the CIELCh color 12, 28.977, 338.938.



This preview shows how white text looks on a background with the CIELCh color 12, 28.977, 338.938.

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, 28.977, 338.938

Protanopia

13, 21.040, 283.065

Deuteranopia

13, 7.936, 286.145



Tritanopia
12, 19.699, 24.043

Trichromacy



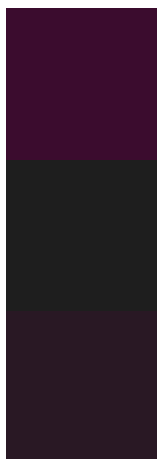
Original Color
12, 28.977, 338.938

Protanomaly
11, 22.792, 304.096

Deuteranomaly
12, 16.138, 320.400

Tritanomaly
12, 21.314, 2.916

Monochromacy



Original Color
12, 28.977, 338.938

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 11.946, 336.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 28.977, 338.938 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(59, 12, 46)` looks like.

```
.text, #text, p{  
    color:rgb(59, 12, 46)  
}
```

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(59, 12, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 12, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 28.977, 338.938 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(59, 12, 46) }
```

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

```
.border{ border-color:rgb(59, 12, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 12, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 12, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 12, 46);  
box-shadow:4px 4px 4px 4px rgb(59, 12, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 28.977, 338.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 12, 46) }
```

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

```
.background{ background-color: rgb(59, 12,  
46) }
```

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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