

Converting Colors

CIELCh(12, 25.155, 339.579)

Have a look what the booklet for
CIELCh(12, 25.155, 339.579)
contains.

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Color

CIELCh(12, 25.334, 339.282)

Conversions

Conversions Part 1

Format	Color
Hex	38102C
RGB	56, 16, 44
RGB Percent	22%, 6%, 17%
CMY	0.7796, 0.9365, 0.8267
CMYK	0.00, 0.71, 0.21, 0.78
HSL	318°, 55%, 14%
HSV	318°, 71%, 22%
XYZ	2.2887, 1.4064, 2.5523
YIQ	31.1520, 14.8520, 17.1880

Conversions

Conversions Part 2

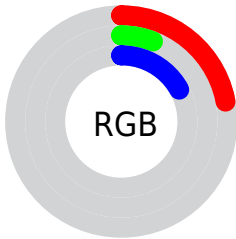
Format	Color
RYB	56, 16, 44
Decimal	3674156
CIELab	12.00, 23.70, -8.96
CIELCh	12, 25.334, 339.282
Yxy	1.4064, 0.3664, 0.2251
Android (android.graphics.Color)	4281864236 (0xFF38102C)
YUV	31.1520, 6.3341, 21.7917
Hunter-Lab	11.8591, 13.6964, -4.4589

Details

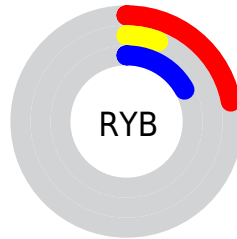
The CIELCh color **12, 25.334, 339.282** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **20, 25.404, 148.048**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 25.575, 339.115**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 27.837, 340.247**, and if you desaturate by 10%, it is **13, 22.339, 338.417**.

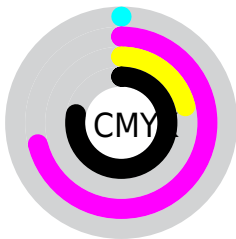
Distribution



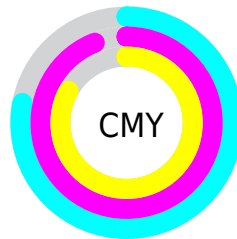
- Red (22%)
- Green (6%)
- Blue (17%)



- Red (22%)
- Yellow (6%)
- Blue (17%)



- Cyan (0%)
- Magenta (71%)
- Yellow (21%)
- Black (78%)





- Cyan (78%)
- Magenta (94%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 25.334, 339.282 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, 25.334, 339.282 by changing the saturation by 10% instead.

 12, 25.334,
339.282


 12, 25.334,
339.282


 100, 25.334,
339.282


 2, 25.334, 339.282


 32, 25.334,
339.282

 0, 25.334, 339.282

 42, 25.334,
339.282


 52, 25.334,
339.282


 62, 25.334,
339.282


 72, 25.334,
339.282


 82, 25.334,


339.282


 92, 25.334,
339.282


 12, 25.334,
339.282

 12, 25.334,
339.282


 11, 27.837,
340.247


 13, 22.339,
338.417

 10, 30.114,
341.219

 15, 18.990,
337.626

 9, 32.401, 341.945

 16, 15.407,
336.891

 18, 11.693,
336.202

 20, 7.925, 335.548

■ 22, 4.160, 334.919

■ 23, 0.438, 334.053

■ 25, 3.217, 153.860

■ 27, 6.788, 153.312

Harmonies

Complementary

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



12, 25.334, 339.282



20, 25.404, 148.048

Rectangle

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



12, 25.334, 339.282



12, 25.334, 29.282



12, 25.334, 159.282



12, 25.334, 209.282

Sweetspot

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



12, 25.333, 339.282



27, 9.886, 335.604



8, 29.831, 306.597



12, 6.758, 335.656



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, 25.333, 339.282



15, 35.228, 341.124



11, 21.260, 12.940



9, 2.054, 334.739



19, 44.323, 343.460



49, 82.177, 345.162

Inverse Universe

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



12, 25.333, 339.282



15, 35.228, 341.124



21, 16.315, 176.936



9, 2.054, 334.739



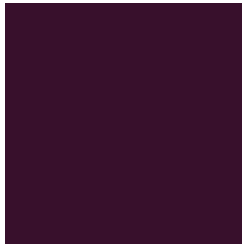
19, 44.323, 343.460



49, 82.177, 345.162

Previews

White Background



This preview shows how the CIELCh color 12, 25.334, 339.282 looks on a white background.

Color Contrast Check

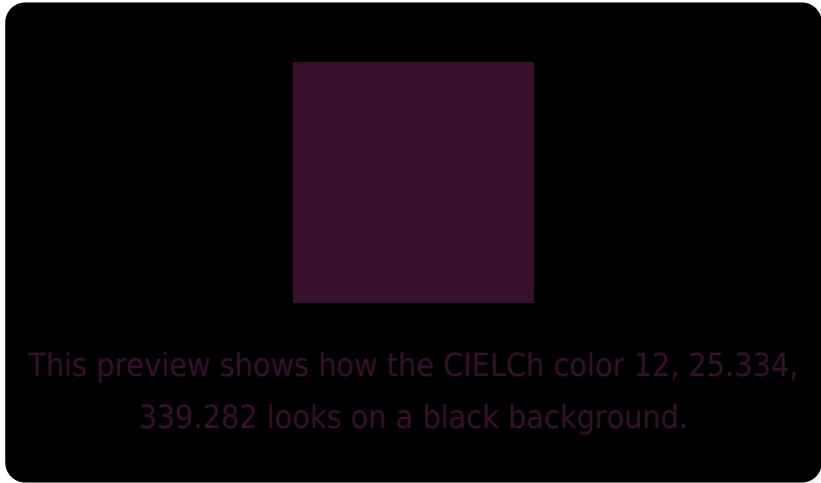
Large Text (above 18pt) WCAG AA ✓ Pass

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

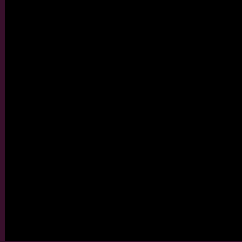
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 25.334, 339.282

Background



This preview shows how black text looks on a background with the CIELCh color 12, 25.334, 339.282.



This preview shows how white text looks on a background with the CIELCh color 12, 25.334, 339.282.

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, 25.334, 339.282

Protanopia

13, 18.157, 284.295

Deuteranopia

13, 7.219, 292.308



Tritanopia
12, 17.337, 20.637

Trichromacy



Original Color
12, 25.334, 339.282

Protanomaly
11, 19.244, 305.106

Deuteranomaly
12, 14.081, 322.714

Tritanomaly
12, 18.881, 2.504

Monochromacy



Original Color
12, 25.334, 339.282

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 9.944, 335.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 25.334, 339.282 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(56, 16, 44)` looks like.

```
.text, #text, p{  
    color:rgb(56, 16, 44)  
}
```

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(56, 16, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 16, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 25.334, 339.282 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(56, 16, 44) }
```

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

```
.border{ border-color:rgb(56, 16, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 16, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 16, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 16, 44);  
box-shadow:4px 4px 4px 4px rgb(56, 16, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 25.334, 339.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 16, 44) }
```

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

```
.background{ background-color: rgb(56, 16,  
44) }
```

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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