

Converting Colors

CIELCh(12, 39.013, 326.334)

Have a look what the booklet for
CIELCh(12, 39.013, 326.334)
contains.

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Color

CIELCh(12, 39.167, 326.198)

Conversions

Conversions Part 1

Format	Color
Hex	3B063E
RGB	59, 6, 62
RGB Percent	23%, 2%, 24%
CMY	0.7687, 0.9766, 0.7570
CMYK	0.05, 0.90, 0.00, 0.76
HSL	297°, 82%, 13%
HSV	297°, 90%, 24%
XYZ	2.7360, 1.4064, 4.6815
YIQ	28.2310, 13.6120, 28.6520

Conversions

Conversions Part 2

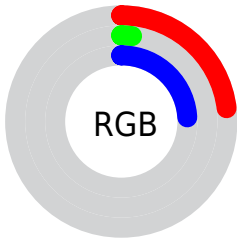
Format	Color
R_{YB}	59, 6, 62
Decimal	3868222
CIE _{Lab}	12.00, 32.55, -21.79
CIE _{LCh}	12, 39.167, 326.198
Yxy	1.4064, 0.3101, 0.1594
Android (android.graphics.Color)	4282058302 (0xFF3B063E)
YUV	28.2310, 16.6481, 26.9844
Hunter-Lab	11.8591, 20.4279, -15.1039




Details

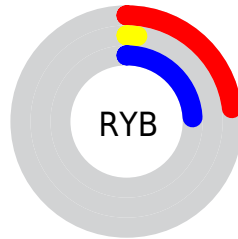
The CIELCh color **12, 39.167, 326.198** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 39.646, 136.737**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 39.252, 326.375**, and **1, 7.635, 288.097** is the 20% darker color. If you saturate the color by 10%, you get **11, 42.142, 326.387**, and if you desaturate by 10%, it is **13, 36.288, 326.034**.

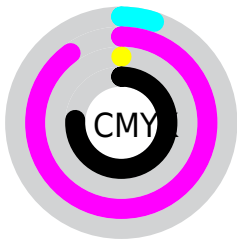
Distribution







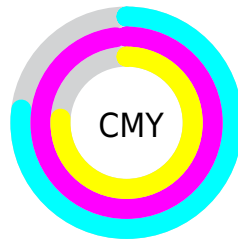
-  Red (23%)
-  Green (2%)
-  Blue (24%)






-  Red (23%)
-  Yellow (2%)
-  Blue (24%)



-  Cyan (5%)
-  Magenta (90%)
-  Yellow (0%)
-  Black (76%)





-  Cyan (77%)
-  Magenta (98%)
-  Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 39.167, 326.198 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, 39.167, 326.198 by changing the saturation by 10% instead.

 12, 39.167,
326.198

 12, 39.167,
326.198


 100, 39.167,
326.198


 2, 39.167, 326.198


 32, 39.167,
326.198

 0, 39.167, 326.198

 42, 39.167,
326.198


 52, 39.167,
326.198


 62, 39.167,
326.198


 72, 39.167,
326.198


 82, 39.167,


326.198


 92, 39.167,
326.198


 12, 39.167,
326.198


 12, 39.167,
326.198


 11, 42.142,
326.387

 13, 36.288,
326.034

 14, 32.907,
325.812

 15, 28.938,
325.516

 17, 24.533,
325.163

 19, 19.835,
324.766

■ 20, 14.966,
324.341

■ 22, 10.022,
323.897

■ 24, 5.075, 323.441

■ 26, 0.176, 322.407

Harmonies

Complementary

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



12, 39.167, 326.198



22, 39.646, 136.737

Rectangle

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



12, 39.167, 326.198



12, 39.167, 16.198



12, 39.167, 146.198



12, 39.167, 196.198

Sweetspot

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



12, 39.166, 326.198



28, 16.741, 324.249



5, 38.004, 300.204



12, 11.088, 324.291



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



12, 39.166, 326.198



16, 50.649, 326.302



11, 29.755, 349.843



10, 2.689, 323.349



20, 55.987, 326.264



51, 104.331, 326.107

Inverse Universe

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



10, 29.471, 25.120



14, 40.745, 30.333



22, 29.794, 150.473



10, 1.577, 15.398



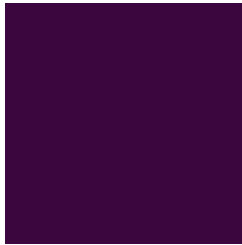
18, 46.185, 32.739



46, 91.994, 38.288

Previews

White Background



This preview shows how the CIELCh color 12, 39.167, 326.198 looks on a white background.

Color Contrast Check

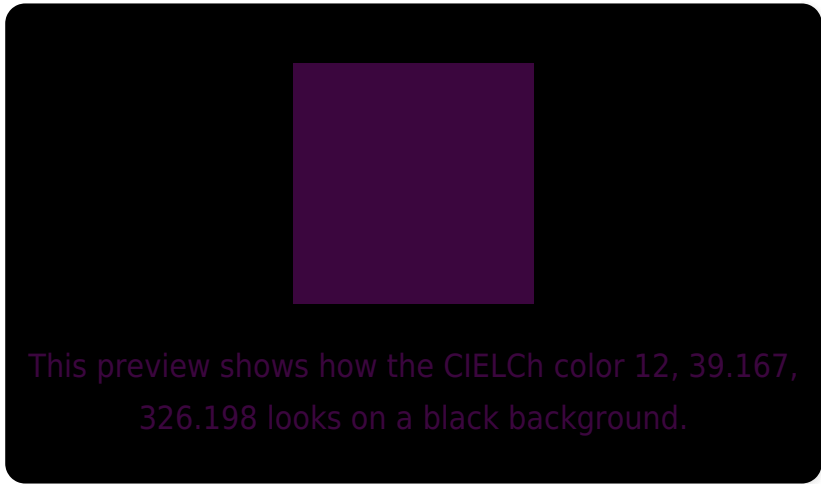
Large Text (above 18pt) WCAG AA ✓ Pass

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

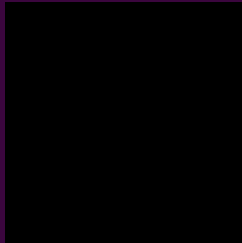
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 39.167, 326.198

Background



This preview shows how black text looks on a background with the CIELCh color 12, 39.167, 326.198.



This preview shows how white text looks on a background with the CIELCh color 12, 39.167, 326.198.

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, 39.167, 326.198

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 17.129, 274.504



Tritanopia
13, 16.173, 21.989

Trichromacy



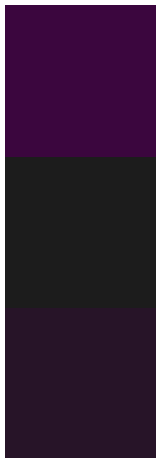
Original Color
12, 39.167, 326.198

Protanomaly
10, 32.028, 298.245

Deuteranomaly
11, 25.641, 303.674

Tritanomaly
12, 22.279, 347.010

Monochromacy



Original Color
12, 39.167, 326.198

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 16.934, 325.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 39.167, 326.198 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, 6, 62)` looks like.

```
.text, #text, p{  
    color:rgb(59, 6, 62)  
}
```

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, 6, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 6, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 39.167, 326.198 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, 6, 62) }
```

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

```
.border{ border-color:rgb(59, 6, 62) }
```

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

Here you see how a box with a 4 pixel rgb(59, 6, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 6, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 6, 62); box-shadow:4px  
4px 4px 4px rgb(59, 6, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 39.167, 326.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 6, 62) }
```

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

```
.background{ background-color: rgb(59, 6,  
62) }
```

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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