

Converting Colors

CIELCh(12, 44.200, 324.702)

Have a look what the booklet for
CIELCh(12, 44.200, 324.702)
contains.

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Color

CIELCh(12, 43.981, 325.058)

Conversions

Conversions Part 1

Format	Color
Hex	3D0143
RGB	61, 1, 67
RGB Percent	24%, 0%, 26%
CMY	0.7616, 0.9968, 0.7380
CMYK	0.09, 0.99, 0.00, 0.74
HSL	295°, 98%, 13%
HSV	295°, 99%, 26%
XYZ	2.9281, 1.4064, 5.3967
YIQ	26.4640, 14.5740, 33.2460

Conversions

Conversions Part 2

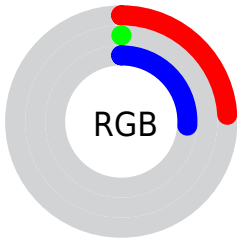
Format	Color
R_{YB}	61, 1, 67
Decimal	3998019
CIE _{Lab}	12.00, 36.05, -25.19
CIE _{LCh}	12, 43.981, 325.058
Yxy	1.4064, 0.3009, 0.1445
Android (android.graphics.Color)	4282188099 (0xFF3D0143)
YUV	26.4640, 19.9842, 30.2881
Hunter-Lab	11.8591, 23.3199, -18.6797

Details

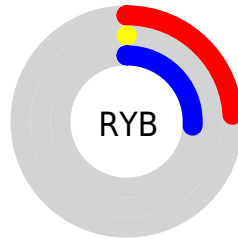
The CIELCh color **12, 43.981, 325.058** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 44.305, 135.394**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 44.297, 324.766**, and **1, 11.384, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 44.384, 325.079**, and if you desaturate by 10%, it is **13, 40.887, 324.925**.

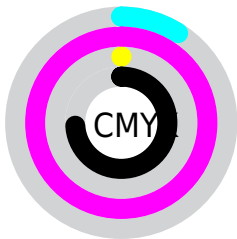
Distribution



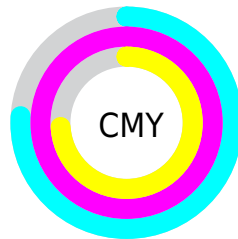
- Red (24%)
- Green (0%)
- Blue (26%)



- Red (24%)
- Yellow (0%)
- Blue (26%)



- Cyan (9%)
- Magenta (99%)
- Yellow (0%)
- Black (74%)





- Cyan (76%)
- Magenta (100%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 43.981, 325.058 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, 43.981, 325.058 by changing the saturation by 10% instead.

 12, 43.981,
325.058


 12, 43.981,
325.058


 100, 43.981,
325.058


 2, 43.981, 325.058


 32, 43.981,
325.058

 0, 43.981, 325.058

 42, 43.981,
325.058


 52, 43.981,
325.058


 62, 43.981,
325.058


 72, 43.981,
325.058


 82, 43.981,


325.058


 92, 43.981,
325.058


 12, 43.981,
325.058


 12, 43.981,
325.058


 12, 44.384,
325.079

 13, 40.887,
324.925

 14, 37.868,
324.819

 15, 34.168,
324.623

 17, 29.867,
324.344

 19, 25.132,
324.002

■ 20, 20.118,
323.615

■ 22, 14.951,
323.199

■ 24, 9.728, 322.765

■ 26, 4.520, 322.319

Harmonies

Complementary

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



12, 43.981, 325.058



24, 44.305, 135.394

Rectangle

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



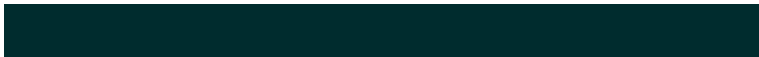
12, 43.981, 325.058



12, 43.981, 15.058



12, 43.981, 145.058



12, 43.981, 195.058

Sweetspot

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



12, 43.980, 325.058



29, 19.365, 323.304



5, 42.752, 300.817



13, 13.002, 323.374



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, 43.980, 325.058



17, 52.942, 324.950



12, 33.830, 349.030



12, 2.849, 322.307



20, 57.196, 324.903



50, 105.555, 324.651

Inverse Universe

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



11, 33.610, 24.698



16, 42.375, 29.854



24, 34.859, 147.666



12, 1.699, 12.388



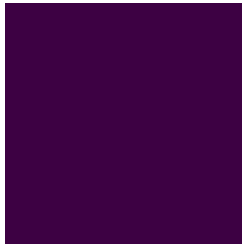
18, 46.567, 31.581



47, 91.099, 36.827

Previews

White Background



This preview shows how the CIELCh color 12, 43.981, 325.058 looks on a white background.

Color Contrast Check

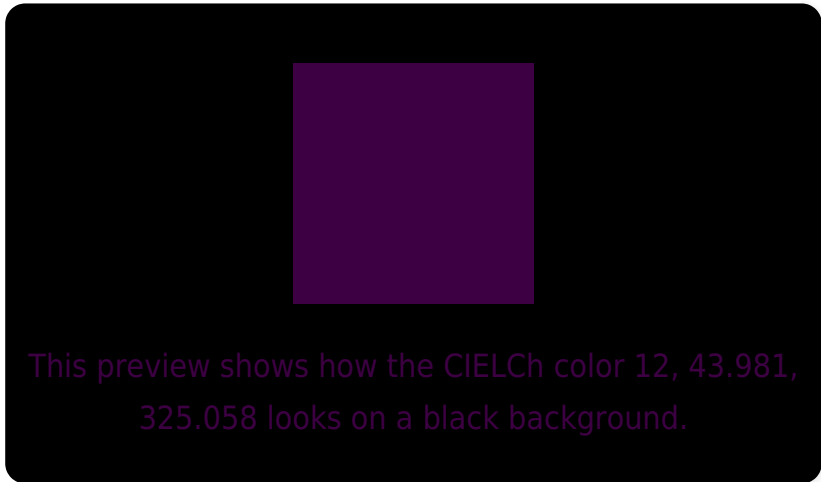
Large Text (above 18pt) WCAG AA ✓ Pass

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

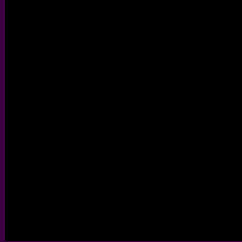
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 43.981, 325.058

Background



This preview shows how black text looks on a background with the CIELCh color 12, 43.981, 325.058.



This preview shows how white text looks on a background with the CIELCh color 12, 43.981, 325.058.

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, 43.981, 325.058

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 20.001, 274.885



Tritanopia
14, 15.979, 19.389

Trichromacy



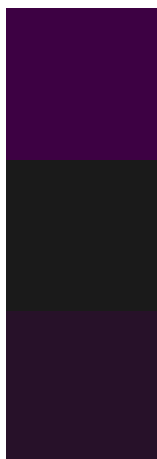
Original Color
12, 43.981, 325.058

Protanomaly
11, 34.715, 299.261

Deuteranomaly
11, 29.839, 302.754

Tritanomaly
12, 24.459, 344.074

Monochromacy



Original Color
12, 43.981, 325.058

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 19.930, 324.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 43.981, 325.058 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(61, 1, 67)` looks like.

```
.text, #text, p{  
    color:rgb(61, 1, 67)  
}
```

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(61, 1, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 1, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 43.981, 325.058 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(61, 1, 67) }
```

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

```
.border{ border-color:rgb(61, 1, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 1, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 1, 67); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 1, 67); box-shadow:4px  
4px 4px 4px rgb(61, 1, 67) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 43.981, 325.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 1, 67) }
```

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

```
.background{ background-color: rgb(61, 1,  
67) }
```

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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