

Converting Colors

CIELCh(10, 55.780, 326.110)

Have a look what the booklet for
CIELCh(10, 55.780, 326.110)
contains.

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Color

CIELCh(13, 46.248, 324.789)

Conversions

Conversions Part 1

Format	Color
Hex	400047
RGB	64, 0, 71
RGB Percent	25%, 0%, 28%
CMY	0.7480, 0.9990, 0.7206
CMYK	0.10, 1.00, 0.00, 0.72
HSL	294°, 99%, 14%
HSV	294°, 100%, 28%
XYZ	3.2801, 1.5625, 6.1331
YIQ	27.2300, 15.3530, 35.6490

Conversions

Conversions Part 2

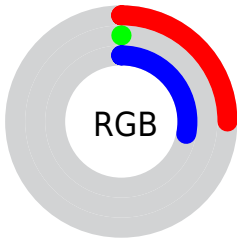
Format	Color
RYB	64, 0, 71
Decimal	4194375
CIELab	13.00, 37.79, -26.67
CIELCh	13, 46.248, 324.789
Yxy	1.5625, 0.2988, 0.1424
Android (android.graphics.Color)	4282384455 (0xFF400047)
YUV	27.2300, 21.5786, 32.2473
Hunter-Lab	12.5000, 24.9642, -20.3405

Details

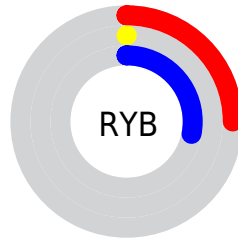
The CIELCh color **13, 46.248, 324.789** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 46.739, 135.048**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 46.033, 324.902**, and **1, 14.553, 292.401** is the 20% darker color. If you saturate the color by 10%, you get **13, 46.359, 324.794**, and if you desaturate by 10%, it is **14, 43.155, 324.686**.

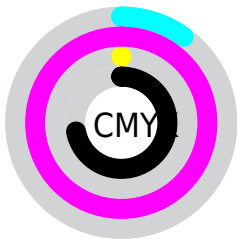
Distribution



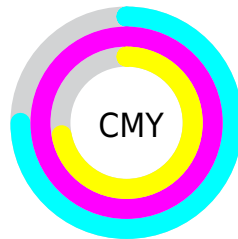
- Red (25%)
- Green (0%)
- Blue (28%)



- Red (25%)
- Yellow (0%)
- Blue (28%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (72%)



- Cyan (75%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 46.248, 324.789 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 13, 46.248, 324.789 by changing the saturation by 10% instead.

■ 13, 46.248,
324.789

■ 13, 46.248,
324.789

■ 100, 46.248,
324.789

■ 3, 46.248, 324.789

■ 33, 46.248,
324.789

■ 0, 46.248, 324.789

■ 43, 46.248,
324.789


■ 53, 46.248,
324.789


■ 63, 46.248,
324.789

■ 73, 46.248,
324.789


■ 83, 46.248,

324.789


 93, 46.248,
324.789


 13, 46.248,
324.789


 13, 46.248,
324.789


 13, 46.359,
324.794

 14, 43.155,
324.686

 15, 40.117,
324.607

 16, 36.326,
324.432

 18, 31.867,
324.167

 20, 26.925,
323.833

■ 22, 21.667,
323.450

■ 24, 16.235,
323.035

■ 26, 10.735,
322.602

■ 28, 5.245, 322.156

Harmonies

Complementary

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



13, 46.248, 324.789



26, 46.739, 135.048

Rectangle

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



13, 46.248, 324.789



13, 46.248, 14.789



13, 46.248, 144.789



13, 46.248, 194.789

Sweetspot

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



13, 46.247, 324.789



31, 20.264, 323.098



6, 46.037, 301.800



13, 13.621, 323.176



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 46.247, 324.789



18, 55.113, 324.665



13, 35.473, 349.460



13, 3.029, 322.107



20, 58.283, 324.629



50, 106.532, 324.367

Inverse Universe

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



12, 35.698, 25.782



17, 44.365, 30.471



26, 36.853, 147.294



13, 1.813, 11.817



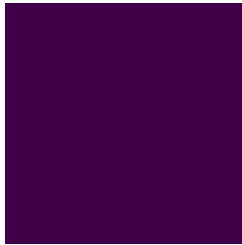
19, 47.463, 31.636



47, 91.529, 36.513

Previews

White Background



This preview shows how the CIELCh color 13, 46.248, 324.789 looks on a white background.

Color Contrast Check

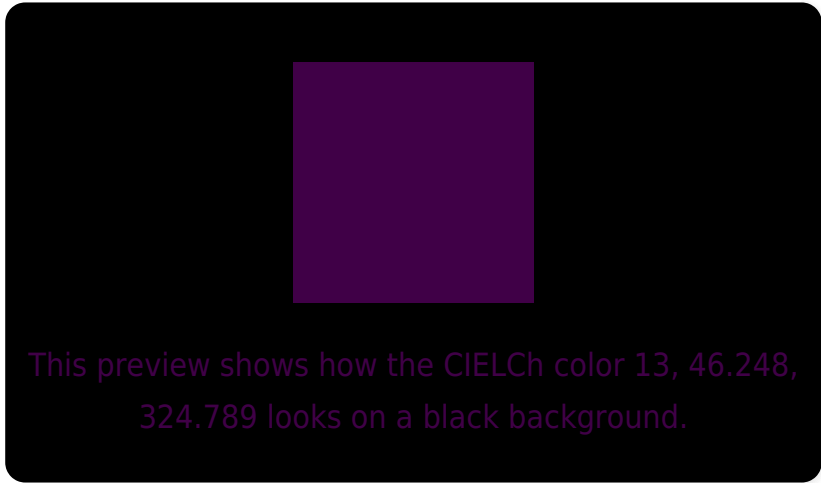
Large Text (above 18pt) WCAG AA ✓ Pass

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

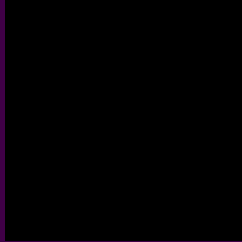
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 46.248, 324.789

Background



This preview shows how black text looks on a background with the CIELCh color 13, 46.248, 324.789.



This preview shows how white text looks on a background with the CIELCh color 13, 46.248, 324.789.

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

13, 46.248, 324.789

Protanopia

15, 28.727, 281.266

Deuteranopia

15, 21.268, 275.347



Tritanopia
15, 16.364, 19.467

Trichromacy



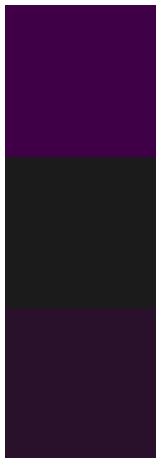
Original Color
13, 46.248, 324.789

Protanomaly
12, 36.598, 299.491

Deuteranomaly
12, 32.429, 302.629

Tritanomaly
13, 25.677, 343.108

Monochromacy



Original Color
13, 46.248, 324.789

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 21.388, 324.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 46.248, 324.789 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(64, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 71)  
}
```

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(64, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 46.248, 324.789 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(64, 0, 71) }
```

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

```
.border{ border-color:rgb(64, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 0, 71); box-shadow:4px  
4px 4px 4px rgb(64, 0, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 46.248, 324.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 71) }
```

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

```
.background{ background-color: rgb(64, 0,  
71) }
```

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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