

Converting Colors

CIELCh(0, 94.238, 330.139)

Have a look what the booklet for
CIELCh(0, 94.238, 330.139) contains.

CIELCh(13, 45.640, 326.722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(13, 45.640, 326.722)

Conversions

Conversions Part 1

Format	Color
Hex	420045
RGB	66, 0, 69
RGB Percent	26%, 0%, 27%
CMY	0.7416, 1.0000, 0.7296
CMYK	0.04, 1.00, 0.00, 0.73
HSL	297°, 100%, 14%
HSV	297°, 100%, 27%
XYZ	3.3025, 1.5625, 5.7517
YIQ	27.6000, 17.1870, 35.4510

Conversions

Conversions Part 2

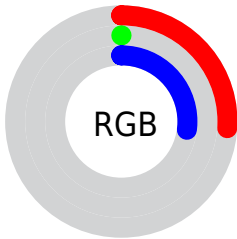
Format	Color
RYB	66, 0, 69
Decimal	4325445
CIELab	13.00, 38.16, -25.04
CIElCh	13, 45.640, 326.722
Yxy	1.5625, 0.3111, 0.1472
Android (android.graphics.Color)	4282515525 (0xFF420045)
YUV	27.6000, 20.4102, 33.6768
Hunter-Lab	12.5000, 25.2840, -18.5315

Details

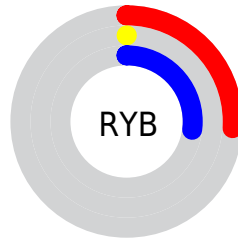
The CIELCh color **13, 45.640, 326.722** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 46.129, 135.791**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 45.311, 326.680**, and **1, 13.087, 298.706** is the 20% darker color. If you saturate the color by 10%, you get **13, 45.192, 326.673**, and if you desaturate by 10%, it is **14, 42.225, 326.507**.

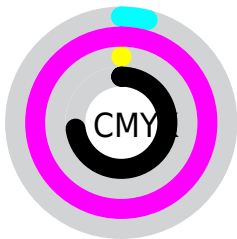
Distribution



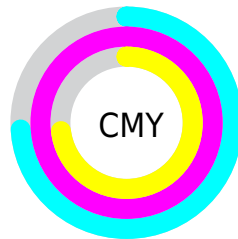
- Red (26%)
- Green (0%)
- Blue (27%)



- Red (26%)
- Yellow (0%)
- Blue (27%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (73%)





- Cyan (74%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 45.640, 326.722 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, 45.640, 326.722 by changing the saturation by 10% instead.

 13, 45.640,
326.722


 13, 45.640,
326.722


 100, 45.640,
326.722


 3, 45.640, 326.722


 33, 45.640,
326.722

 0, 45.640, 326.722

 43, 45.640,
326.722


 53, 45.640,
326.722


 63, 45.640,
326.722


 73, 45.640,
326.722


 83, 45.640,


326.722


 93, 45.640,
326.722


 13, 45.640,
326.722


 13, 45.640,
326.722

 13, 45.192,
326.673

 14, 42.225,
326.507

 15, 39.330,
326.354

 16, 35.727,
326.126

 18, 31.448,
325.824

 19, 26.664,
325.462

■ 21, 21.538,
325.054

■ 23, 16.212,
324.617

■ 25, 10.796,
324.160

■ 27, 5.374, 323.690

Harmonies

Complementary

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



13, 45.640, 326.722



25, 46.129, 135.791

Rectangle

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



13, 45.640, 326.722



13, 45.640, 16.722



13, 45.640, 146.722



13, 45.640, 196.722

Sweetspot

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



13, 45.192, 326.673



30, 20.080, 324.670



5, 46.436, 302.374



14, 13.812, 324.759



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, 45.192, 326.673



19, 53.838, 326.612



12, 34.072, 353.098



13, 3.080, 323.624



21, 58.054, 326.589



52, 106.066, 326.468

Inverse Universe

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



11, 35.319, 27.264



16, 44.178, 32.252



25, 34.458, 149.563



13, 1.801, 16.179



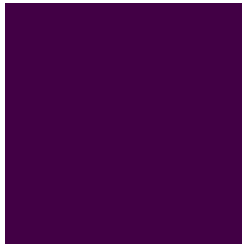
19, 48.499, 33.864



47, 93.989, 38.621

Previews

White Background



This preview shows how the CIELCh color 13, 45.640, 326.722 looks on a white background.

Color Contrast Check

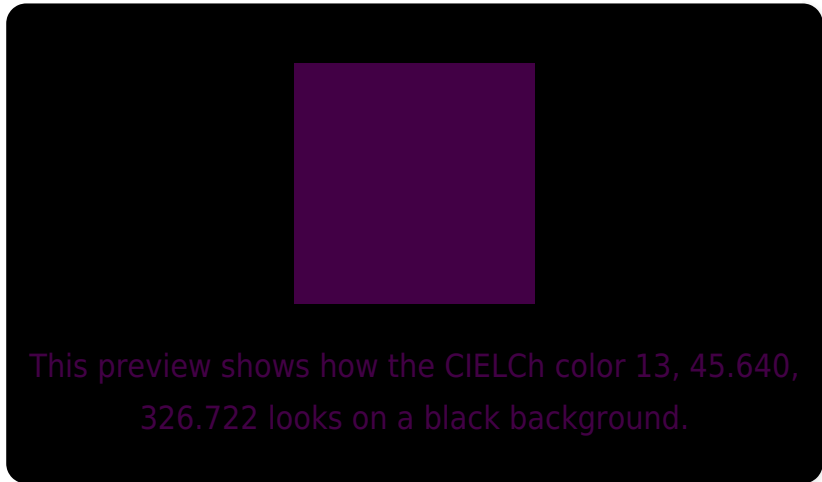
Large Text (above 18pt) WCAG AA ✓ Pass

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

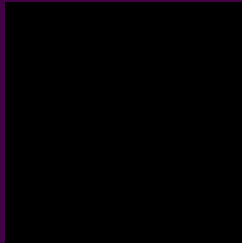
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 45.640, 326.722

Background



This preview shows how black text looks on a background with the CIELCh color 13, 45.640, 326.722.



This preview shows how white text looks on a background with the CIELCh color 13, 45.640, 326.722.

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, 45.206, 326.704

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 18.984, 275.355



Tritanopia
15, 18.004, 20.512

Trichromacy



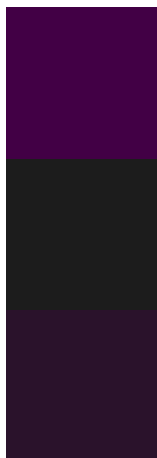
Original Color
13, 45.206, 326.704

Protanomaly
12, 36.573, 299.856

Deuteranomaly
12, 29.638, 305.156

Tritanomaly
13, 26.437, 345.849

Monochromacy



Original Color
13, 45.206, 326.704

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 20.774, 325.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 45.640, 326.722 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(66, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(66, 0, 69)  
}
```

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(66, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 0, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 45.640, 326.722 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(66, 0, 69) }
```

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

```
.border{ border-color:rgb(66, 0, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 0, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 0, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(66, 0, 69); box-shadow:4px  
4px 4px 4px rgb(66, 0, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 45.640, 326.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 0, 69) }
```

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

```
.background{ background-color: rgb(66, 0,  
69) }
```

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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