

Converting Colors

CIELCh(13, 26.440, 1.004)

Have a look what the booklet for
CIELCh(13, 26.440, 1.004) contains.

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Color

CIELCh(13, 26.394, 0.355)

Conversions

Conversions Part 1

Format	Color
Hex	410E22
RGB	65, 14, 34
RGB Percent	25%, 5%, 13%
CMY	0.7446, 0.9445, 0.8662
CMYK	0.00, 0.78, 0.48, 0.74
HSL	336°, 64%, 16%
HSV	336°, 78%, 26%
XYZ	2.6385, 1.5625, 1.6847
YIQ	31.5290, 23.9760, 17.0320

Conversions

Conversions Part 2

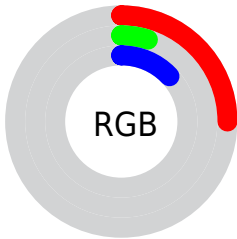
Format	Color
RYB	65, 14, 34
Decimal	4263458
CIELab	13.00, 26.39, 0.16
CIELCh	13, 26.394, 0.355
Yxy	1.5625, 0.4483, 0.2655
Android (android.graphics.Color)	4282453538 (0xFF410E22)
YUV	31.5290, 1.2182, 29.3541
Hunter-Lab	12.5000, 15.8022, 0.7593




Details

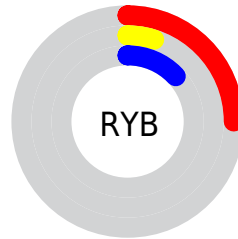
The CIELCh color **13, 26.394, 0.355** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 23.520, 161.531**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 26.746, 0.321**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 28.720, 3.003**, and if you desaturate by 10%, it is **14, 23.614, 358.146**.

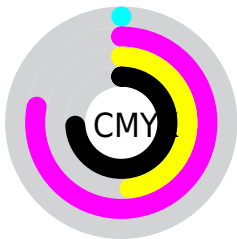
Distribution







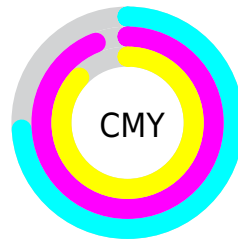
-  Red (25%)
-  Green (5%)
-  Blue (13%)






-  Red (25%)
-  Yellow (5%)
-  Blue (13%)



-  Cyan (0%)
-  Magenta (78%)
-  Yellow (48%)
-  Black (74%)




-  Cyan (74%)
-  Magenta (94%)
-  Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 26.394, 0.355 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, 26.394, 0.355 by changing the saturation by 10% instead.

 13, 26.394, 0.355  13, 26.394, 0.355

 100, 26.394, 0.355  3, 26.394, 0.355

 33, 26.394, 0.355  0, 26.394, 0.355

 43, 26.394, 0.355

 53, 26.394, 0.355

 63, 26.394, 0.355

 73, 26.394, 0.355

 83, 26.394, 0.355

 93, 26.394, 0.355

 13, 26.394, 0.355  13, 26.394, 0.355

■ 12, 28.720, 3.003

■ 14, 23.614,
358.146

■ 11, 31.257, 5.349

■ 16, 20.445,
356.331

■ 11, 31.733, 5.699

■ 18, 17.024,
354.816

■ 20, 13.471,
353.527

■ 22, 9.879, 352.411

■ 24, 6.316, 351.423

■ 26, 2.824, 350.515

■ 28, 0.570, 170.156

■ 30, 3.853, 169.145

Harmonies

Complementary

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



13, 26.394, 0.355



24, 23.520, 161.531

Rectangle

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



13, 26.394, 0.355



13, 26.394, 50.355



13, 26.394, 180.355



13, 26.394, 230.355

Sweetspot

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



13, 26.393, 0.356



30, 9.894, 351.969



11, 36.744, 315.250



13, 6.922, 352.145



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



13, 26.393, 0.356



16, 36.171, 6.086



13, 26.309, 33.533



12, 1.923, 350.537



19, 41.597, 8.923



48, 77.249, 13.218

Inverse Universe

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



13, 26.393, 0.356



16, 36.171, 6.086



23, 15.193, 210.112



12, 1.923, 350.537



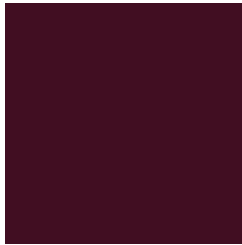
19, 41.597, 8.923



48, 77.249, 13.218

Previews

White Background



This preview shows how the CIELCh color 13, 26.394, 0.355 looks on a white background.

Color Contrast Check

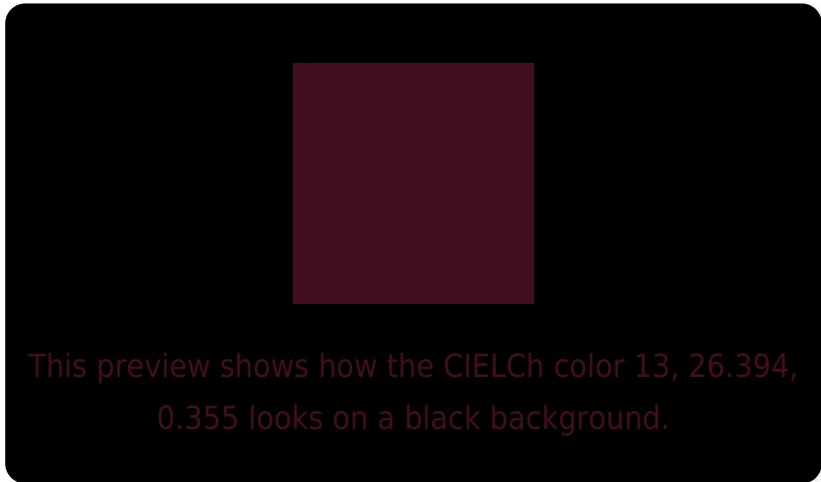
Large Text (above 18pt) WCAG AA ✓ Pass

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

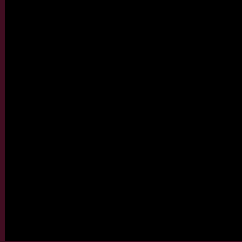
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 26.394, 0.355

Background



This preview shows how black text looks on a background with the CIELCh color 13, 26.394, 0.355.



This preview shows how white text looks on a background with the CIELCh color 13, 26.394, 0.355.

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, 26.394, 0.355

Protanopia

14, 7.872, 286.022

Deuteranopia

14, 3.391, 44.733



Tritanopia
13, 25.105, 26.468

Trichromacy



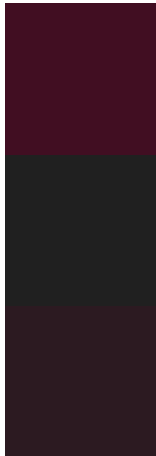
Original Color
13, 26.394, 0.355

Protanomaly
13, 13.614, 331.413

Deuteranomaly
13, 11.915, 2.325

Tritanomaly
13, 24.642, 17.933

Monochromacy



Original Color
13, 26.394, 0.355

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 10.328, 353.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 26.394, 0.355 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(65, 14, 34)` looks like.

```
.text, #text, p{  
    color:rgb(65, 14, 34)  
}
```

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(65, 14, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 14, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 26.394, 0.355 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(65, 14, 34) }
```

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

```
.border{ border-color:rgb(65, 14, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 14, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 14, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 14, 34);  
box-shadow:4px 4px 4px 4px rgb(65, 14, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 26.394, 0.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 14, 34) }
```

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

```
.background{ background-color: rgb(65, 14,  
34) }
```

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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