

Converting Colors

CIELCh(13, 33.598, 27.418)

Have a look what the booklet for
CIELCh(13, 33.598, 27.418) contains.

CIELCh(13, 33.507, 26.972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(13, 33.507, 26.972)

Conversions

Conversions Part 1	
Format	Color
Hex	48070C
RGB	72, 7, 12
RGB Percent	28%, 3%, 5%
CMY	0.7173, 0.9721, 0.9525
CMYK	0.00, 0.90, 0.83, 0.72
HSL	355°, 82%, 16%
HSV	355°, 90%, 28%
XYZ	2.8240, 1.5625, 0.5045
YIQ	27.0050, 37.1350, 15.3350

Conversions

Conversions Part 2

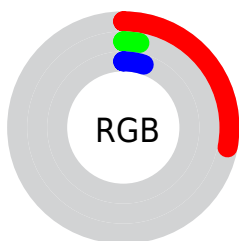
Format	Color
RYB	72, 7, 12
Decimal	4720396
CIELab	13.00, 29.86, 15.20
CIELCh	13, 33.507, 26.972
Yxy	1.5625, 0.5774, 0.3195
Android (android.graphics.Color)	4282910476 (0xFF48070C)
YUV	27.0050, -7.3975, 39.4606
Hunter-Lab	12.5000, 18.4519, 6.3569

Details

The CIELCh color **13, 33.507, 26.972** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **27, 20.365, 186.974**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 33.443, 26.779**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 36.365, 26.902**, and if you desaturate by 10%, it is **14, 30.384, 25.476**.

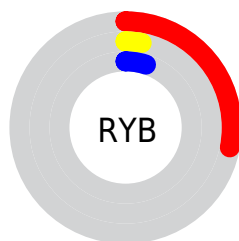
Distribution



Red (28%)

Green (3%)

Blue (5%)



Red (28%)

Yellow (3%)

Blue (5%)

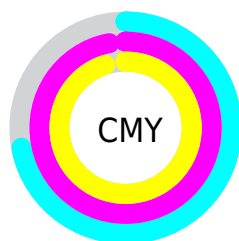


Cyan (0%)

Magenta (90%)

Yellow (83%)

Black (72%)



Cyan (72%)

Magenta (97%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 33.507, 26.972 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, 33.507, 26.972 by changing the saturation by 10% instead.

 13, 33.507, 26.972

 13, 33.507, 26.972

 100, 33.507,
26.972

 3, 33.507, 26.972

 33, 33.507, 26.972

 0, 33.507, 26.972

 43, 33.507, 26.972

 53, 33.507, 26.972

 63, 33.507, 26.972

 73, 33.507, 26.972

 83, 33.507, 26.972

 93, 33.507, 26.972

 13, 33.507, 26.972

 13, 33.507, 26.972

 12, 36.365, 26.902

 14, 30.384, 25.476

 16, 26.538, 22.794

 17, 22.483, 20.369

 19, 18.401, 18.419

 21, 14.389, 16.853

 23, 10.517, 15.585

 26, 6.825, 14.544

 28, 3.333, 13.655

 31, 0.047, 7.477

Harmonies

Complementary

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



13, 33.507, 26.972



27, 20.365, 186.974

Rectangle

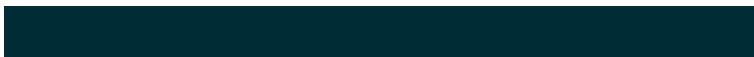
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13, 33.507, 26.972



13, 33.507, 76.972



13, 33.507, 206.972



13, 33.507, 256.972

Sweetspot

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



13, 33.506, 26.975



32, 11.704, 15.354



14, 43.667, 325.194



15, 7.988, 15.528



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 33.506, 26.975



18, 45.767, 31.771



18, 28.607, 56.360



13, 1.807, 13.521



19, 47.861, 32.521



47, 92.593, 37.455

Inverse Universe

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



13, 33.506, 26.975



18, 45.767, 31.771



17, 20.565, 265.612



13, 1.807, 13.521



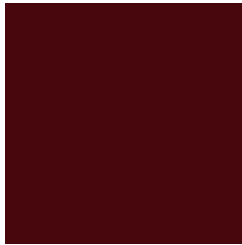
19, 47.861, 32.521



47, 92.593, 37.455

Previews

White Background



This preview shows how the CIE LCh color 13, 33.507, 26.972 looks on a white background.

Color Contrast Check

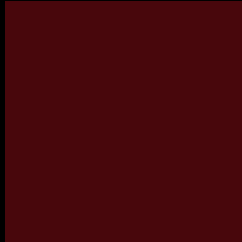
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 13, 33.507, 26.972 looks on a 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, 33.507, 26.972

Background



This preview shows how black text looks on a background with the CIELCh color 13, 33.507, 26.972.

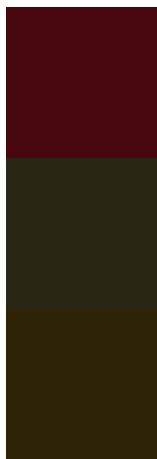


This preview shows how white text looks on a background with the CIELCh color 13, 33.507, 26.972.

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, 33.507, 26.972

Protanopia

15, 12.692, 96.532

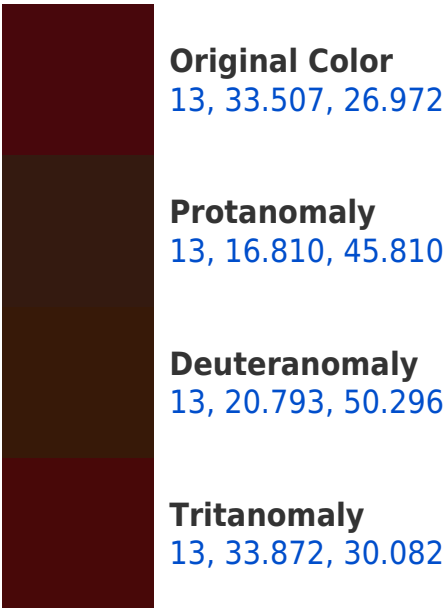
Deuteranopia

14, 19.128, 86.192

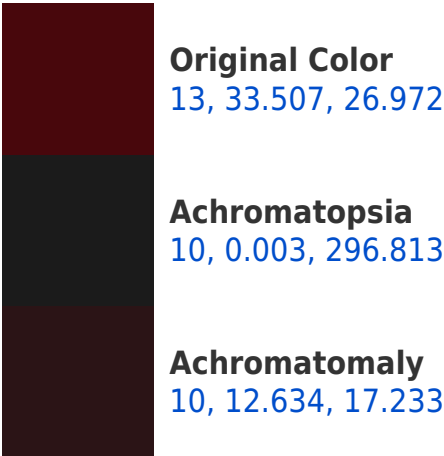


Tritanopia
13, 34.196, 31.283

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 33.507, 26.972 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(72, 7, 12)` looks like.

```
.text, #text, p{  
    color:rgb(72, 7, 12)  
}
```

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(72, 7, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 7, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 33.507, 26.972 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(72, 7, 12) }
```

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

```
.border{ border-color:rgb(72, 7, 12) }
```

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

Here you see how a box with a 4 pixel rgb(72, 7, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 7, 12); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 7, 12); box-shadow:4px  
4px 4px 4px rgb(72, 7, 12) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 33.507, 26.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 7, 12) }
```

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

```
.background{ background-color: rgb(72, 7,  
12) }
```

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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