

Converting Colors

CIELCh(0, 73.308, 33.857)

Have a look what the booklet for
CIELCh(0, 73.308, 33.857) contains.

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Color

CIELCh(10, 33.997, 26.198)

Conversions

Conversions Part 1

Format	Color
Hex	410002
RGB	65, 0, 2
RGB Percent	25%, 0%, 1%
CMY	0.7440, 1.0000, 0.9925
CMYK	0.00, 1.00, 0.97, 0.74
HSL	358°, 100%, 13%
HSV	358°, 100%, 26%
XYZ	2.2037, 1.1260, 0.1561
YIQ	19.6630, 38.0980, 14.4020

Conversions

Conversions Part 2

Format	Color
R_{YB}	65, 0, 2
Decimal	4259842
CIE Lab	10.00, 30.50, 15.01
CIE LCh	10, 33.997, 26.198
Yxy	1.1260, 0.6322, 0.3230
Android (android.graphics.Color)	4282449922 (0xFF410002)
YUV	19.6630, -8.7079, 39.7605
Hunter-Lab	10.6114, 18.4990, 6.5559

Details

The CIELCh color **10, 33.997, 26.198** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 19.246, 192.484**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 33.836, 26.420**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 33.817, 26.591**, and if you desaturate by 10%, it is **11, 30.987, 27.166**.

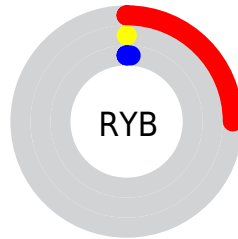
Distribution



Red (25%)

Green (0%)

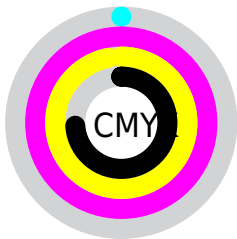
Blue (1%)



Red (25%)

Yellow (0%)

Blue (1%)

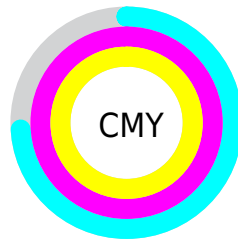


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (74%)



Cyan (74%)

Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 33.997, 26.198 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 10, 33.997, 26.198 by changing the saturation by 10% instead.

 10, 33.997, 26.198

 10, 33.997, 26.198

 100, 33.997,
26.198

 0, 33.997, 26.198

 30, 33.997, 26.198

 40, 33.997, 26.198

 50, 33.997, 26.198

 60, 33.997, 26.198

 70, 33.997, 26.198

 80, 33.997, 26.198

 90, 33.997, 26.198

■ 10, 33.997, 26.198

■ 10, 33.997, 26.198

■ 10, 33.817, 26.591

■ 11, 30.987, 27.166

■ 12, 28.215, 27.020

■ 14, 24.788, 25.821

■ 15, 20.893, 23.627

■ 17, 17.016, 21.821

■ 19, 13.247, 20.380

■ 21, 9.639, 19.226

■ 23, 6.223, 18.291

■ 25, 3.011, 17.503

Harmonies

Complementary

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



10, 33.997, 26.198



24, 19.246, 192.484

Rectangle

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



10, 33.997, 26.198



10, 33.997, 76.198



10, 33.997, 206.198



10, 33.997, 256.198

Sweetspot

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



10, 33.817, 26.591



28, 11.951, 19.356



12, 43.558, 327.070



12, 8.272, 19.551



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



10, 33.817, 26.591



15, 42.206, 31.866



16, 27.784, 58.651



12, 1.688, 17.391



18, 47.718, 34.107



47, 93.742, 39.065

Inverse Universe

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



10, 33.817, 26.591



15, 42.206, 31.866



13, 22.783, 274.145



12, 1.688, 17.391



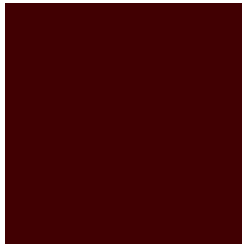
18, 47.718, 34.107



47, 93.742, 39.065

Previews

White Background



This preview shows how the CIELCh color 10, 33.997, 26.198 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

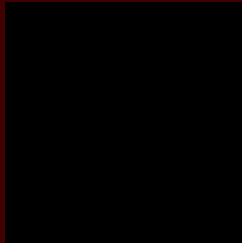
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 33.997, 26.198

Background



This preview shows how black text looks on a background with the CIELCh color 10, 33.997, 26.198.

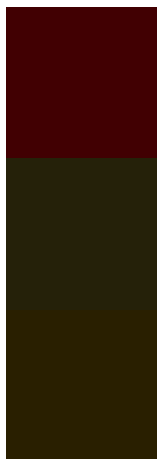


This preview shows how white text looks on a background with the CIELCh color 10, 33.997, 26.198.

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

10, 33.675, 26.424

Protanopia

13, 15.070, 97.858

Deuteranopia

12, 18.266, 87.708



Tritanopia
11, 32.216, 32.081

Trichromacy



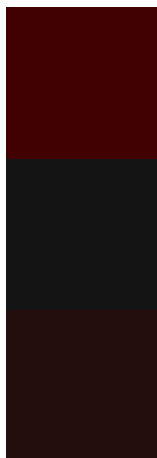
Original Color
10, 33.675, 26.424

Protanomaly
10, 17.530, 48.198

Deuteranomaly
10, 20.540, 48.858

Tritanomaly
11, 32.597, 29.975

Monochromacy



Original Color
10, 33.675, 26.424

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 12.289, 19.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 33.997, 26.198 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, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(65, 0, 2)  
}
```

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, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 33.997, 26.198 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, 0, 2) }
```

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

```
.border{ border-color:rgb(65, 0, 2) }
```

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

Here you see how a box with a 4 pixel rgb(65, 0, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(65, 0, 2); box-shadow:4px  
4px 4px 4px rgb(65, 0, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 33.997, 26.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 2) }
```

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

```
.background{ background-color: rgb(65, 0,  
2) }
```

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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