

Converting Colors

CIELCh(10, 13.379, 120.742)

Have a look what the booklet for
CIELCh(10, 13.379, 120.742)
contains.

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Color

CIELCh(10, 13.790, 122.250)

Conversions

Conversions Part 1	
Format	Color
Hex	181E08
RGB	24, 30, 8
RGB Percent	9%, 12%, 3%
CMY	0.9066, 0.8832, 0.9701
CMYK	0.20, 0.00, 0.74, 0.88
HSL	76°, 59%, 7%
HSV	76°, 74%, 12%
XYZ	0.8730, 1.1260, 0.3900
YIQ	25.6980, 3.4860, -8.1140

Conversions

Conversions Part 2

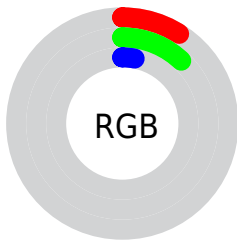
Format	Color
RYB	8, 30, 14
Decimal	1580552
CIELab	10.00, -7.36, 11.66
CIELCh	10, 13.790, 122.250
Yxy	1.1260, 0.3654, 0.4713
Android (android.graphics.Color)	4279770632 (0xFF181E08)
YUV	25.6980, -8.7251, -1.4891
Hunter-Lab	10.6114, -3.8853, 5.2487

Details

The CIELCh color **10, 13.790, 122.250** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **3, 13.785, 297.997**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **30, 13.789, 123.494**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 15.128, 122.989**, and if you desaturate by 10%, it is **10, 12.464, 121.433**.

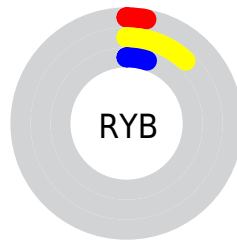
Distribution



Red (9%)

Green (12%)

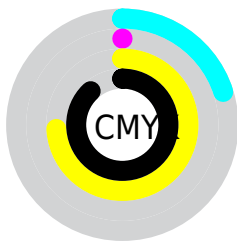
Blue (3%)



Red (3%)

Yellow (12%)

Blue (5%)

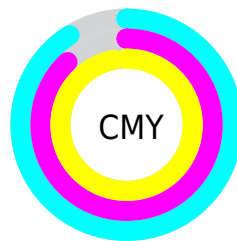


Cyan (20%)

Magenta (0%)

Yellow (74%)

Black (88%)



Cyan (91%)


Magenta (88%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 13.790, 122.250 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, 13.790, 122.250 by changing the saturation by 10% instead.


 10, 13.790,
122.250


 10, 13.790,
122.250


 100, 13.790,
122.250


 0, 13.790, 122.250

 30, 13.790,
122.250

 40, 13.790,
122.250


 50, 13.790,
122.250


 60, 13.790,
122.250


 70, 13.790,
122.250


 80, 13.790,


122.250


 90, 13.790,
122.250


 10, 13.790,
122.250


 10, 13.790,
122.250

 10, 15.128,
122.989

 10, 12.464,
121.433

 10, 16.468,
123.595

 10, 11.009,
120.644

 10, 17.212,
123.870

 10, 9.351, 119.979

 11, 7.481, 119.526

 11, 5.394, 119.538

 11, 3.189, 119.985

■ 11, 0.976, 120.430

■ 11, 1.237, 300.836

■ 11, 3.447, 301.251

Harmonies

Complementary

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



10, 13.790, 122.250



3, 13.785, 297.997

Rectangle

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



10, 13.790, 122.250



10, 13.790, 172.250



10, 13.790, 302.250



10, 13.790, 352.250

Sweetspot

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



10, 13.791, 122.251



15, 6.026, 119.572



5, 8.229, 37.292



6, 3.231, 121.481



61, 0.008, 296.813



6, 0.002, 296.812

Same Dimension

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



10, 13.791, 122.251



14, 20.924, 119.792



9, 16.001, 139.837



4, 0.800, 120.893



31, 43.040, 117.128



77, 86.439, 118.417

Inverse Universe

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



3, 13.785, 297.997



3, 22.038, 299.568



4, 15.244, 316.193



4, 0.801, 300.323



7, 54.859, 308.532



28, 111.456, 307.877

Previews

White Background



This preview shows how the CIELCh color 10, 13.790, 122.250 looks on a white background.

Color Contrast Check

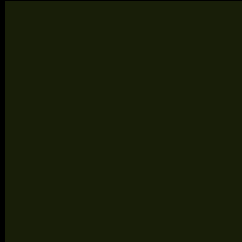
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 10, 13.790, 122.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

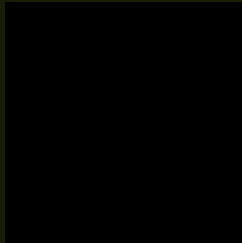
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

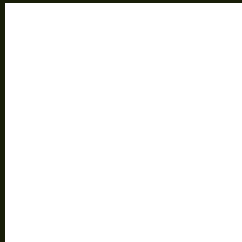
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 10, 13.790, 122.250

Background



This preview shows how black text looks on a background with the CIELCh color 10, 13.790, 122.250.

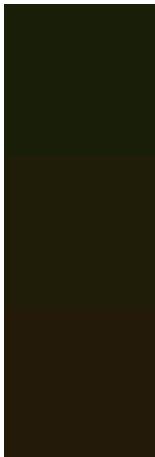


This preview shows how white text looks on a background with the CIELCh color 10, 13.790, 122.250.

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, 13.790, 122.250

Protanopia

10, 12.339, 100.260

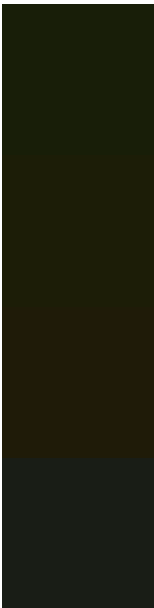
Deuteranopia

10, 11.306, 80.983



Tritanopia
10, 1.753, 256.739

Trichromacy



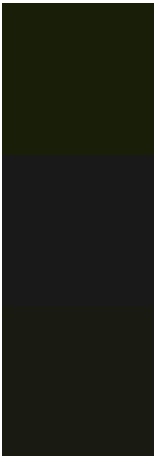
Original Color
10, 13.790, 122.250

Protanomaly
10, 12.980, 110.798

Deuteranomaly
10, 11.329, 96.899

Tritanomaly
10, 5.548, 130.816

Monochromacy



Original Color
10, 13.790, 122.250

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 5.803, 119.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 13.790, 122.250 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(24, 30, 8)` looks like.

```
.text, #text, p{  
    color:rgb(24, 30, 8)  
}
```

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(24, 30, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 30, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 13.790, 122.250 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(24, 30, 8) }
```

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

```
.border{ border-color:rgb(24, 30, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 30, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 30, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(24, 30, 8); box-shadow:4px  
4px 4px 4px rgb(24, 30, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 13.790, 122.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 30, 8) }
```

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

```
.background{ background-color: rgb(24, 30,  
8) }
```

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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