

Converting Colors

CIELCh(13, 18.091, 38.885)

Have a look what the booklet for
CIELCh(13, 18.091, 38.885) contains.

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Color

CIELCh(13, 18.091, 38.885)

Conversions

Conversions Part 1

Format	Color
Hex	371912
RGB	55, 25, 18
RGB Percent	22%, 10%, 7%
CMY	0.7837, 0.9014, 0.9288
CMYK	0.00, 0.54, 0.67, 0.78
HSL	11°, 50%, 14%
HSV	11°, 67%, 22%
XYZ	2.0457, 1.5625, 0.7730
YIQ	33.1720, 20.1270, 4.1830

Conversions

Conversions Part 2

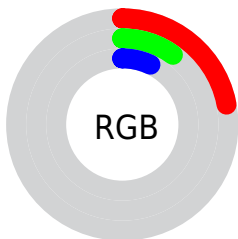
Format	Color
R_YB	55, 27, 18
Decimal	3610898
CIE Lab	13.00, 14.08, 11.36
CIE LCh	13, 18.091, 38.885
Yxy	1.5625, 0.4669, 0.3566
Android (android.graphics.Color)	4281800978 (0xFF371912)
YUV	33.1720, -7.4798, 19.1432
Hunter-Lab	12.5000, 7.3377, 5.0834

Details

The CIELCh color **13, 18.091, 38.885** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **18, 11.649, 222.220**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 18.015, 39.858**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 20.777, 37.506**, and if you desaturate by 10%, it is **14, 15.005, 38.801**.

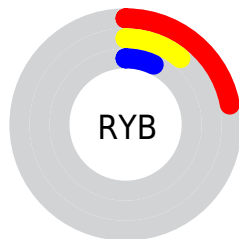
Distribution



Red (22%)

Green (10%)

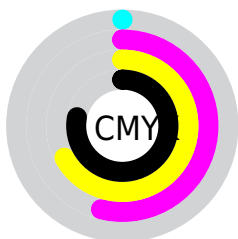
Blue (7%)



Red (22%)

Yellow (11%)

Blue (7%)

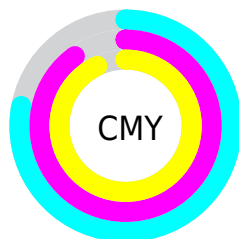


Cyan (0%)

Magenta (54%)

Yellow (67%)

Black (78%)



Cyan (78%)

Magenta (90%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 18.091, 38.885 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, 18.091, 38.885 by changing the saturation by 10% instead.

 13, 18.091, 38.885

 13, 18.091, 38.885

 100, 18.091,
38.885

 3, 18.091, 38.885


 33, 18.091, 38.885

 0, 18.091, 38.885

 43, 18.091, 38.885

 53, 18.091, 38.885

 63, 18.091, 38.885

 73, 18.091, 38.885

 83, 18.091, 38.885

 93, 18.091, 38.885

■ 13, 18.091, 38.885

■ 13, 18.091, 38.885

■ 12, 20.777, 37.506

■ 14, 15.005, 38.801

■ 11, 23.104, 35.495

■ 16, 11.957, 38.390

■ 10, 25.290, 34.263

■ 17, 9.090, 38.132

■ 9, 25.901, 34.072

■ 19, 6.405, 38.002

■ 20, 3.899, 37.966

■ 22, 1.560, 37.952

■ 24, 0.625, 218.586

■ 25, 2.668, 218.505

■ 27, 4.583, 218.698

Harmonies

Complementary

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



13, 18.091, 38.885



18, 11.649, 222.220

Rectangle

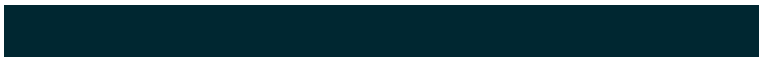
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13, 18.091, 38.885



13, 18.091, 88.885



13, 18.091, 218.885



13, 18.091, 268.885

Sweetspot

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



13, 18.090, 38.889



26, 5.746, 37.971



12, 25.695, 333.700



11, 3.850, 37.973



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



13, 18.090, 38.889



16, 27.921, 39.939



18, 18.318, 84.853



9, 1.244, 37.962



19, 43.214, 40.938



48, 89.284, 42.908

Inverse Universe

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



18, 11.649, 222.220



23, 15.705, 224.850



11, 18.579, 283.415



10, 1.191, 218.459



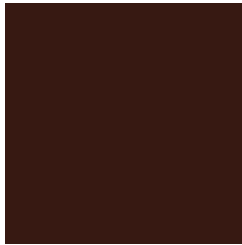
29, 20.664, 230.357



67, 39.053, 233.576

Previews

White Background



This preview shows how the CIELCh color 13, 18.091, 38.885 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, 18.091, 38.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

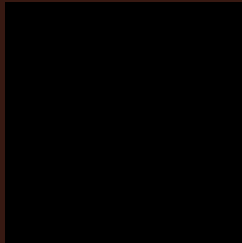
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 18.091, 38.885

Background



This preview shows how black text looks on a background with the CIELCh color 13, 18.091, 38.885.

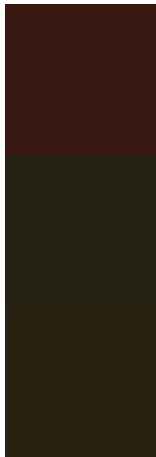


This preview shows how white text looks on a background with the CIELCh color 13, 18.091, 38.885.

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, 18.091, 38.885

Protanopia

13, 9.363, 97.270

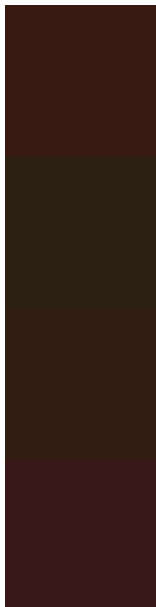
Deuteranopia

13, 12.278, 82.444



Tritanopia
13, 17.182, 20.326

Trichromacy



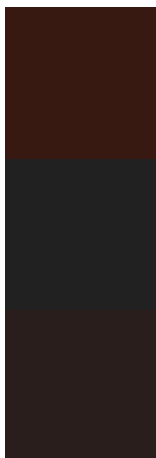
Original Color
13, 18.091, 38.885

Protanomaly
13, 10.884, 65.563

Deuteranomaly
13, 13.536, 61.632

Tritanomaly
13, 17.688, 27.077

Monochromacy



Original Color
13, 18.091, 38.885

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 6.029, 34.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 18.091, 38.885 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(55, 25, 18)` looks like.

```
.text, #text, p{  
    color:rgb(55, 25, 18)  
}
```

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(55, 25, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 25, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 18.091, 38.885 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(55, 25, 18) }
```

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

```
.border{ border-color:rgb(55, 25, 18) }
```

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

Here you see how a box with a 4 pixel rgb(55, 25, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 25, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 25, 18);  
box-shadow:4px 4px 4px 4px rgb(55, 25, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 18.091, 38.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 25, 18) }
```

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

```
.background{ background-color: rgb(55, 25,  
18) }
```

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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