

Converting Colors

CIELCh(18, 14.164, 22.886)

Have a look what the booklet for
CIELCh(18, 14.164, 22.886) contains.

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Color

CIELCh(18, 13.904, 22.834)

Conversions

Conversions Part 1

Format	Color
Hex	402525
RGB	64, 37, 37
RGB Percent	25%, 15%, 15%
CMY	0.7502, 0.8560, 0.8559
CMYK	0.00, 0.42, 0.42, 0.75
HSL	360°, 27%, 20%
HSV	360°, 42%, 25%
XYZ	3.0776, 2.5180, 2.0522
YIQ	45.0730, 16.0920, 5.7240

Conversions

Conversions Part 2

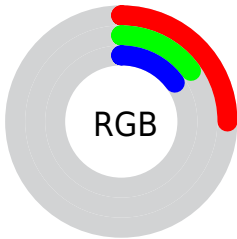
Format	Color
RYB	64, 37, 37
Decimal	4203813
CIELab	18.00, 12.81, 5.40
CIElCh	18, 13.904, 22.834
Yxy	2.5180, 0.4024, 0.3292
Android (android.graphics.Color)	4282393893 (0xFF402525)
YUV	45.0730, -3.9800, 16.5990
Hunter-Lab	15.8683, 6.8501, 3.4401

Details

The CIELCh color **18, 13.904, 22.834** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 10.727, 197.620**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.917, 21.447**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 17.686, 24.288**, and if you desaturate by 10%, it is **20, 10.288, 21.690**.

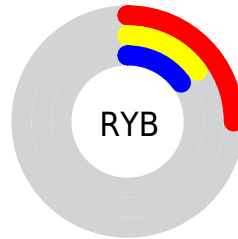
Distribution



Red (25%)

Green (15%)

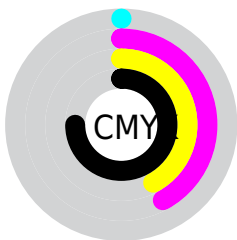
Blue (15%)



Red (25%)

Yellow (15%)

Blue (15%)

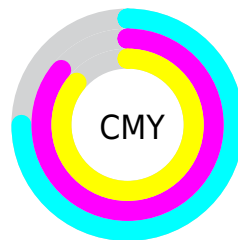


Cyan (0%)

Magenta (42%)

Yellow (42%)

Black (75%)



Cyan (75%)

Magenta (86%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.904, 22.834 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 18, 13.904, 22.834 by changing the saturation by 10% instead.

 18, 13.904, 22.834

 18, 13.904, 22.834

 100, 13.904,
22.834

 8, 13.904, 22.834

 38, 13.904, 22.834

 0, 13.904, 22.834

 48, 13.904, 22.834

 58, 13.904, 22.834

 68, 13.904, 22.834

 78, 13.904, 22.834

 88, 13.904, 22.834

 98, 13.904, 22.834

18, 13.904, 22.834

18, 13.904, 22.834

16, 17.686, 24.288

20, 10.288, 21.690

14, 21.582, 26.114

22, 6.873, 20.775

13, 25.357, 27.739

24, 3.668, 20.026

12, 28.477, 28.033

26, 0.672, 19.152

11, 31.153, 27.710

29, 2.126, 199.168

10, 33.342, 27.150

31, 4.739, 198.727

33, 7.185, 198.399

35, 9.481, 198.134

38, 11.643,
197.916

Harmonies

Complementary

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



18, 13.904, 22.834



25, 10.727, 197.620

Rectangle

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



18, 13.904, 22.834



18, 13.904, 72.834



18, 13.904, 202.834



18, 13.904, 252.834

Sweetspot

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



18, 13.903, 22.838



31, 4.769, 20.110



19, 21.449, 325.940



14, 3.292, 20.180



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 13.903, 22.838



22, 21.224, 24.413



22, 11.441, 69.088



10, 1.574, 19.749



17, 47.177, 34.868



46, 94.127, 39.996

Inverse Universe

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



18, 13.903, 22.838



22, 21.224, 24.413



20, 10.188, 259.730



10, 1.574, 19.749



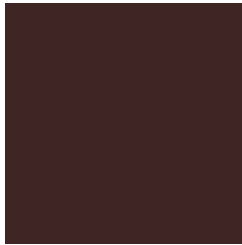
17, 47.177, 34.868



46, 94.127, 39.996

Previews

White Background



This preview shows how the CIELCh color 18, 13.904, 22.834 looks on a white background.

Color Contrast Check

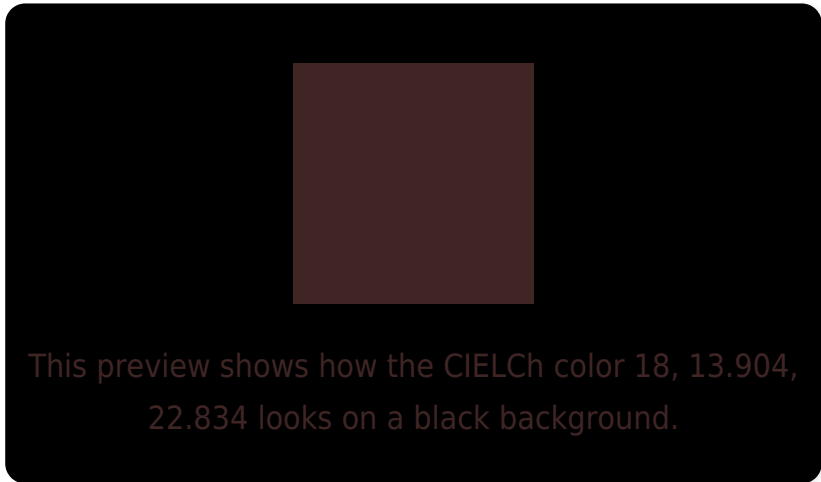
Large Text (above 18pt) WCAG AA ✓ Pass

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

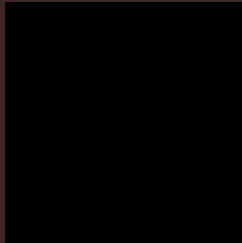
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 13.904, 22.834

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.904, 22.834.

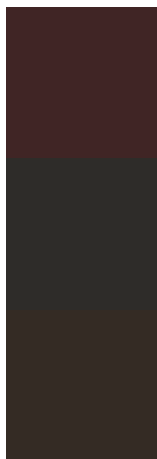


This preview shows how white text looks on a background with the CIELCh color 18, 13.904, 22.834.

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

18, 13.904, 22.834

Protanopia

18, 2.275, 84.253

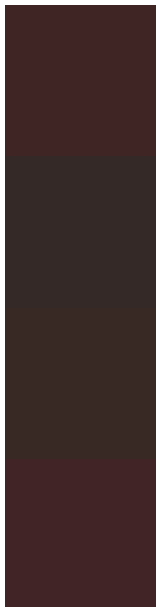
Deuteranopia

18, 6.700, 65.466



Tritanopia
18, 14.265, 14.966

Trichromacy



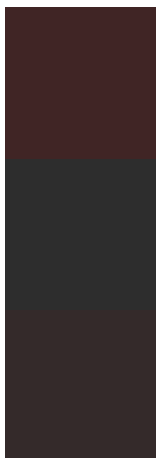
Original Color
18, 13.904, 22.834

Protanomaly
18, 5.712, 34.431

Deuteranomaly
18, 8.544, 44.373

Tritanomaly
18, 14.304, 17.684

Monochromacy



Original Color
18, 13.904, 22.834

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.925, 20.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.904, 22.834 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(64, 37, 37)` looks like.

```
.text, #text, p{  
    color:rgb(64, 37, 37)  
}
```

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(64, 37, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 37, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.904, 22.834 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(64, 37, 37) }
```

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

```
.border{ border-color:rgb(64, 37, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 37, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 37, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 37, 37);  
box-shadow:4px 4px 4px 4px rgb(64, 37, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.904, 22.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 37, 37) }
```

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

```
.background{ background-color: rgb(64, 37,  
37) }
```

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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