

Converting Colors

CIELCh(18, 24.469, 73.820)

Have a look what the booklet for
CIELCh(18, 24.469, 73.820) contains.

CIELCh(18, 24.833, 74.206)	3
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Color

CIELCh(18, 24.833, 74.206)

Conversions

Conversions Part 1

Format	Color
Hex	3E2805
RGB	62, 40, 5
RGB Percent	24%, 16%, 2%
CMY	0.7584, 0.8445, 0.9785
CMYK	0.00, 0.36, 0.91, 0.76
HSL	37°, 84%, 13%
HSV	37°, 91%, 24%
XYZ	2.7400, 2.5180, 0.4991
YIQ	42.5880, 24.3470, -6.2210

Conversions

Conversions Part 2

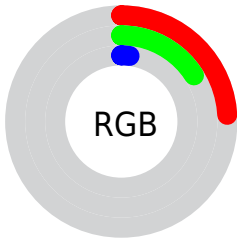
Format	Color
RYB	41, 62, 5
Decimal	4073477
CIELab	18.00, 6.76, 23.90
CIELCh	18, 24.833, 74.206
Yxy	2.5180, 0.4759, 0.4374
Android (android.graphics.Color)	4282263557 (0xFF3E2805)
YUV	42.5880, -18.5309, 17.0243
Hunter-Lab	15.8683, 3.0519, 9.2430

Details

The CIELCh color **18, 24.833, 74.206** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 25.244, 285.009**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.930, 74.511**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 26.489, 72.710**, and if you desaturate by 10%, it is **19, 22.959, 76.127**.

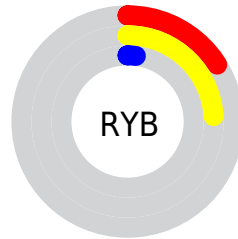
Distribution



Red (24%)

Green (16%)

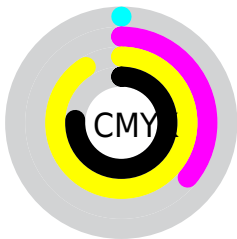
Blue (2%)



Red (16%)

Yellow (24%)

Blue (2%)

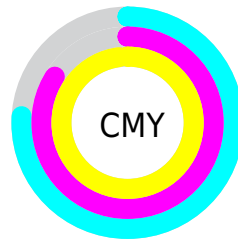


Cyan (0%)

Magenta (36%)

Yellow (91%)

Black (76%)



Cyan (76%)

Magenta (84%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.833, 74.206 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, 24.833, 74.206 by changing the saturation by 10% instead.

 18, 24.833, 74.206

 18, 24.833, 74.206

 100, 24.833,
74.206

 8, 24.833, 74.206

 38, 24.833, 74.206

 0, 24.833, 74.206

 48, 24.833, 74.206

 58, 24.833, 74.206

 68, 24.833, 74.206

 78, 24.833, 74.206

 88, 24.833, 74.206

 98, 24.833, 74.206

■ 18, 24.833, 74.206

■ 18, 24.833, 74.206

■ 17, 26.489, 72.710

■ 19, 22.959, 76.127

■ 20, 20.470, 77.737

■ 20, 17.496, 79.036

■ 21, 14.501, 80.284

■ 22, 11.535, 81.498

■ 23, 8.623, 82.683

■ 24, 5.776, 83.836

■ 25, 2.998, 84.947

■ 26, 0.290, 85.661

Harmonies

Complementary

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



18, 24.833, 74.206



10, 25.244, 285.009

Rectangle

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



18, 24.833, 74.206



18, 24.833, 124.206



18, 24.833, 254.206



18, 24.833, 304.206

Sweetspot

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



18, 24.833, 74.209



30, 9.180, 83.026



11, 28.266, 2.679



14, 6.251, 82.900



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, 24.833, 74.209



23, 33.900, 72.650



25, 32.497, 108.724



11, 1.485, 85.231



28, 39.523, 72.352



64, 74.494, 69.763

Inverse Universe

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



10, 25.244, 285.009



13, 34.482, 289.104



5, 39.997, 303.131



11, 1.480, 267.216



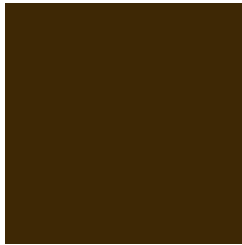
16, 39.982, 290.211



41, 80.908, 293.505

Previews

White Background



This preview shows how the CIELCh color 18, 24.833, 74.206 looks on a white background.

Color Contrast Check

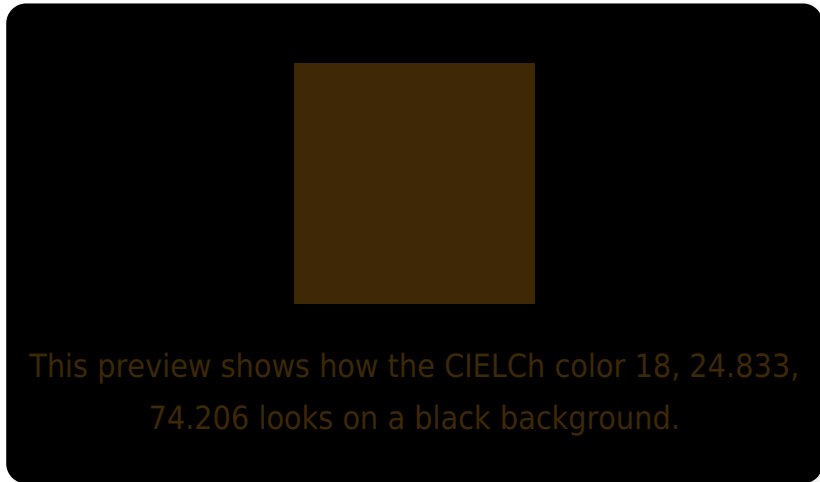
Large Text (above 18pt) WCAG AA ✓ Pass

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

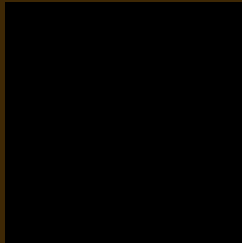
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.833, 74.206

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.833, 74.206.



This preview shows how white text looks on a background with the CIELCh color 18, 24.833, 74.206.

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, 25.198, 74.580

Protanopia

18, 23.400, 97.615

Deuteranopia

18, 25.888, 86.144



Tritanopia
18, 13.203, 13.960

Trichromacy



Original Color
18, 25.198, 74.580

Protanomaly
18, 23.480, 89.109

Deuteranomaly
18, 25.306, 81.690

Tritanomaly
18, 15.463, 50.483

Monochromacy



Original Color
18, 25.198, 74.580

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 9.367, 80.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.833, 74.206 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(62, 40, 5)` looks like.

```
.text, #text, p{  
    color:rgb(62, 40, 5)  
}
```

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(62, 40, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 40, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.833, 74.206 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(62, 40, 5) }
```

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

```
.border{ border-color:rgb(62, 40, 5) }
```

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

Here you see how a box with a 4 pixel rgb(62, 40, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 40, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 40, 5); box-shadow:4px  
4px 4px 4px rgb(62, 40, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.833, 74.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 40, 5) }
```

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

```
.background{ background-color: rgb(62, 40,  
5) }
```

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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