

Converting Colors

CIELCh(18, 7.259, 71.683)

Have a look what the booklet for
CIELCh(18, 7.259, 71.683) contains.

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Color

CIELCh(18, 7.478, 74.979)

Conversions

Conversions Part 1

Format	Color
Hex	332B22
RGB	51, 43, 34
RGB Percent	20%, 17%, 13%
CMY	0.8011, 0.8324, 0.8677
CMYK	0.00, 0.16, 0.33, 0.80
HSL	32°, 20%, 17%
HSV	32°, 33%, 20%
XYZ	2.4895, 2.5180, 1.8481
YIQ	44.3660, 7.6570, -1.1030

Conversions

Conversions Part 2

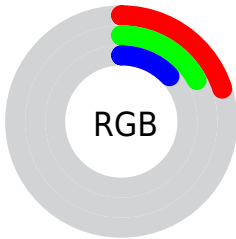
Format	Color
RYB	49, 51, 34
Decimal	3353378
CIELab	18.00, 1.94, 7.22
CIElCh	18, 7.478, 74.979
Yxy	2.5180, 0.3631, 0.3673
Android (android.graphics.Color)	4281543458 (0xFF332B22)
YUV	44.3660, -5.1104, 5.8180
Hunter-Lab	15.8683, 0.2347, 4.2028

Details

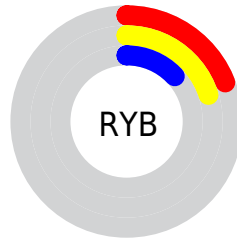
The CIELCh color **18, 7.478, 74.979** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 7.025, 262.923**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 7.606, 73.056**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 9.884, 73.893**, and if you desaturate by 10%, it is **19, 5.153, 76.062**.

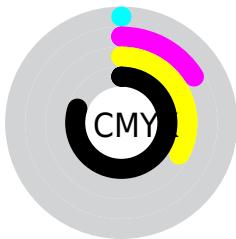
Distribution



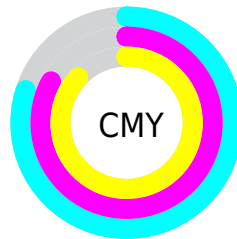
- Red (20%)
- Green (17%)
- Blue (13%)



- Red (19%)
- Yellow (20%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (33%)
- Black (80%)



- Cyan (80%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 7.478, 74.979 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, 7.478, 74.979 by changing the saturation by 10% instead.

■ 18, 7.478, 74.979 ■ 18, 7.478, 74.979

■ 100, 7.478, 74.979 ■ 8, 7.478, 74.979

■ 38, 7.478, 74.979 ■ 0, 7.478, 74.979

■ 48, 7.478, 74.979

■ 58, 7.478, 74.979

■ 68, 7.478, 74.979

■ 78, 7.478, 74.979

■ 88, 7.478, 74.979

■ 98, 7.478, 74.979

■ 18, 7.478, 74.979 ■ 18, 7.478, 74.979

17, 9.884, 73.893	19, 5.153, 76.062
16, 12.365, 72.784	20, 2.906, 77.108
15, 14.861, 71.593	21, 0.736, 78.019
15, 16.893, 69.777	22, 1.364, 259.317
14, 18.426, 67.367	23, 3.399, 260.253
13, 19.869, 65.122	24, 5.375, 261.202
12, 20.822, 63.847	25, 7.297, 262.127
	26, 9.170, 263.022
	27, 10.999, 263.885

Harmonies

Complementary

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



18, 7.478, 74.979



17, 7.025, 262.923

Rectangle

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



18, 7.478, 74.979



18, 7.478, 124.979



18, 7.478, 254.979



18, 7.478, 304.979

Sweetspot

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



18, 7.478, 74.987



27, 2.685, 77.405



15, 10.001, 347.174



12, 1.793, 77.382



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 7.478, 74.987



23, 11.359, 74.040



21, 11.347, 108.205



8, 1.183, 77.604



24, 37.678, 65.228



59, 74.690, 62.661

Inverse Universe

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



17, 7.025, 262.923



21, 10.478, 264.419



14, 12.135, 294.112



8, 1.172, 259.522



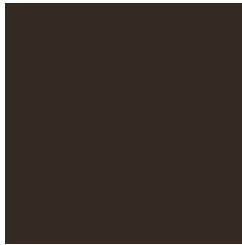
17, 33.069, 283.315



45, 68.478, 287.332

Previews

White Background



This preview shows how the CIELCh color 18, 7.478, 74.979 looks on a white background.

Color Contrast Check

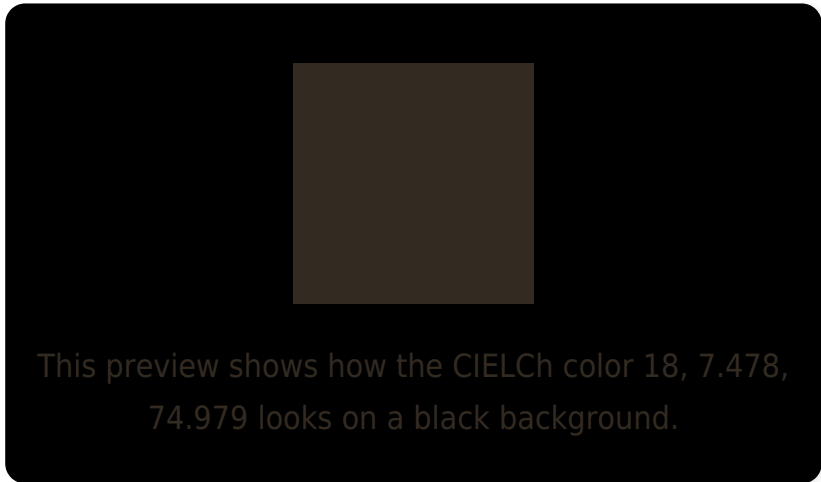
Large Text (above 18pt) WCAG AA ✓ Pass

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

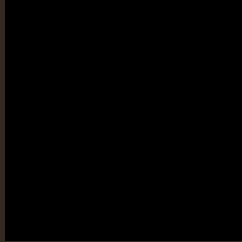
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 7.478, 74.979

Background



This preview shows how black text looks on a background with the CIELCh color 18, 7.478, 74.979.

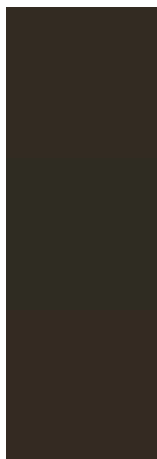


This preview shows how white text looks on a background with the CIELCh color 18, 7.478, 74.979.

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, 7.478, 74.979

Protanopia

18, 7.029, 95.792

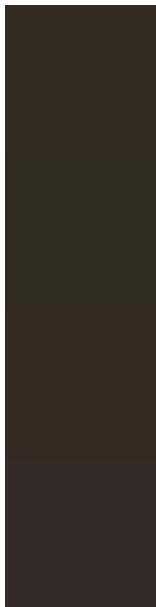
Deuteranopia

18, 7.624, 65.872



Tritanopia
18, 5.718, 359.646

Trichromacy



Original Color
18, 7.478, 74.979

Protanomaly
18, 7.163, 91.759

Deuteranomaly
18, 7.624, 65.872

Tritanomaly
18, 5.191, 35.689

Monochromacy



Original Color
18, 7.478, 74.979

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.915, 89.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 7.478, 74.979 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(51, 43, 34)` looks like.

```
.text, #text, p{  
    color:rgb(51, 43, 34)  
}
```

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(51, 43, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 43, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 7.478, 74.979 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(51, 43, 34) }
```

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

```
.border{ border-color:rgb(51, 43, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 43, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 43, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 43, 34);  
box-shadow:4px 4px 4px 4px rgb(51, 43, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 7.478, 74.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 43, 34) }
```

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

```
.background{ background-color: rgb(51, 43,  
34) }
```

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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