

Converting Colors

CIELCh(18, 17.069, 119.099)

Have a look what the booklet for
CIELCh(18, 17.069, 119.099)
contains.

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Color

CIELCh(18, 17.218, 120.123)

Conversions

Conversions Part 1

Format	Color
Hex	272F16
RGB	39, 47, 22
RGB Percent	15%, 18%, 9%
CMY	0.8472, 0.8158, 0.9139
CMYK	0.17, 0.00, 0.53, 0.82
HSL	79°, 36%, 14%
HSV	79°, 53%, 18%
XYZ	1.9944, 2.5180, 1.1380
YIQ	41.7580, 3.2570, -9.4710

Conversions

Conversions Part 2

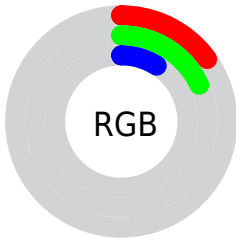
Format	Color
R_{YB}	22, 47, 30
Decimal	2567958
CIE _{Lab}	18.00, -8.64, 14.89
CIE _{LCh}	18, 17.218, 120.123
Yxy	2.5180, 0.3530, 0.4456
Android (android.graphics.Color)	4280758038 (0xFF272F16)
YUV	41.7580, -9.7407, -2.4188
Hunter-Lab	15.8683, -5.3344, 6.8558

Details

The CIELCh color **18, 17.218, 120.123** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 18.859, 305.640**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.350, 119.609**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 20.208, 119.759**, and if you desaturate by 10%, it is **18, 14.095, 120.559**.

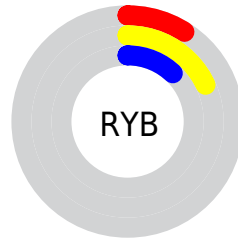
Distribution



 Red (15%)

 Green (18%)

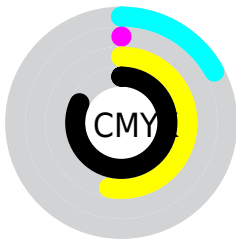
 Blue (9%)




 Red (9%)

 Yellow (18%)

 Blue (12%)

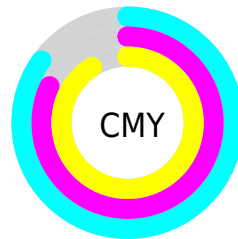



 Cyan (17%)

 Magenta (0%)

 Yellow (53%)

 Black (82%)



 Cyan (85%)

 Magenta (82%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.218, 120.123 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, 17.218, 120.123 by changing the saturation by 10% instead.

■ 18, 17.218,
120.123

■ 18, 17.218,
120.123

■ 100, 17.218,
120.123

■ 8, 17.218, 120.123

■ 38, 17.218,
120.123

■ 0, 17.218, 120.123

■ 48, 17.218,
120.123


■ 58, 17.218,
120.123


■ 68, 17.218,
120.123


■ 78, 17.218,
120.123


■ 88, 17.218,


120.123


 98, 17.218,
120.123


 18, 17.218,
120.123

 18, 17.218,
120.123

 18, 20.208,
119.759


 18, 14.095,
120.559

 18, 22.783,
119.806

 18, 10.890,
121.020


 17, 24.905,
120.208

 19, 7.635, 121.491

 17, 26.967,
120.620

 19, 4.353, 121.960

 19, 1.061, 122.429

 17, 28.370,
120.879

 20, 2.229, 302.839

■ 20, 5.508, 303.263

■ 20, 8.769, 303.659

■ 21, 12.006,
304.032

Harmonies

Complementary

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



18, 17.218, 120.123



9, 18.859, 305.640

Rectangle

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



18, 17.218, 120.123



18, 17.218, 170.123



18, 17.218, 300.123



18, 17.218, 350.123

Sweetspot

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



18, 17.219, 120.125



25, 6.576, 121.788



13, 11.302, 50.931



11, 4.335, 121.787



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 17.219, 120.125



24, 25.405, 119.603



17, 19.715, 136.761



8, 1.661, 122.925



33, 46.528, 119.705



79, 90.257, 120.982

Inverse Universe

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



9, 18.859, 305.640



11, 28.708, 306.672



11, 20.033, 321.216



7, 1.660, 302.181



8, 58.416, 309.359



30, 113.582, 308.505

Previews

White Background



This preview shows how the CIELCh color 18, 17.218, 120.123 looks on a white background.

Color Contrast Check

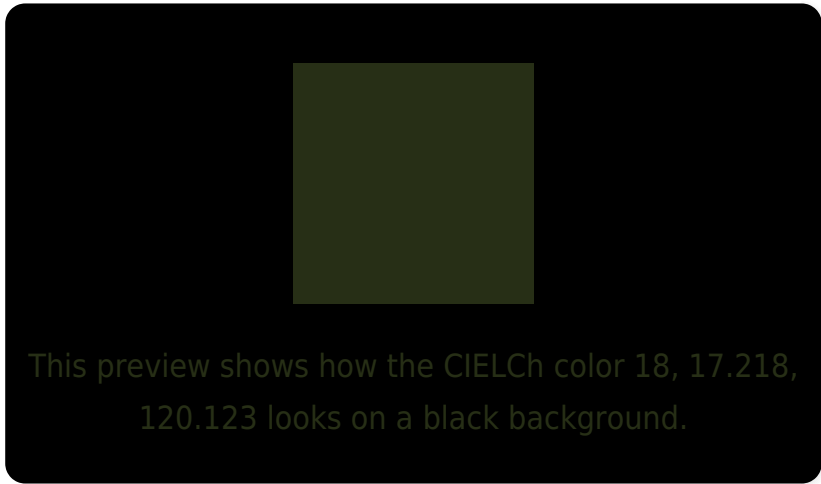
Large Text (above 18pt) WCAG AA ✓ Pass

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

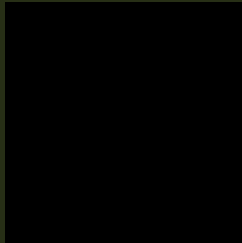
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

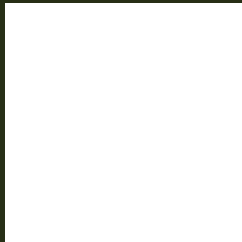
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 17.218, 120.123

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.218, 120.123.



This preview shows how white text looks on a background with the CIELCh color 18, 17.218, 120.123.

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, 17.218, 120.123

Protanopia

18, 15.768, 96.148

Deuteranopia

18, 14.689, 80.064



Tritanopia
18, 2.893, 272.510

Trichromacy



Original Color
18, 17.218, 120.123

Protanomaly
18, 16.097, 106.032

Deuteranomaly
18, 14.495, 95.684

Tritanomaly
18, 4.578, 134.220

Monochromacy



Original Color
18, 17.218, 120.123

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.379, 122.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.218, 120.123 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(39, 47, 22)` looks like.

```
.text, #text, p{  
    color:rgb(39, 47, 22)  
}
```

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(39, 47, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 47, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.218, 120.123 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(39, 47, 22) }
```

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

```
.border{ border-color:rgb(39, 47, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 47, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 47, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 47, 22);  
box-shadow:4px 4px 4px 4px rgb(39, 47, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.218, 120.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 47, 22) }
```

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

```
.background{ background-color: rgb(39, 47,  
22) }
```

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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