

Converting Colors

CIELCh(18, 17.560, 123.533)

Have a look what the booklet for
CIELCh(18, 17.560, 123.533)
contains.

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Color

CIELCh(18, 17.518, 123.307)

Conversions

Conversions Part 1

Format	Color
Hex	252F16
RGB	37, 47, 22
RGB Percent	15%, 18%, 9%
CMY	0.8536, 0.8144, 0.9125
CMYK	0.21, 0.00, 0.53, 0.81
HSL	84°, 36%, 14%
HSV	84°, 53%, 19%
XYZ	1.9523, 2.5180, 1.1578
YIQ	41.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

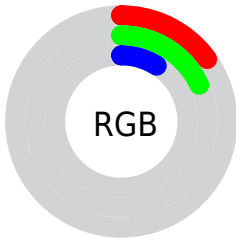
Format	Color
RYB	22, 47, 32
Decimal	2436886
CIELab	18.00, -9.62, 14.64
CIELCh	18, 17.518, 123.307
Yxy	2.5180, 0.3469, 0.4474
Android (android.graphics.Color)	4280626966 (0xFF252F16)
YUV	41.1600, -9.4459, -3.6483
Hunter-Lab	15.8683, -5.8086, 6.7818

Details

The CIELCh color **18, 17.518, 123.307** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 18.958, 308.106**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.707, 123.819**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 20.605, 122.968**, and if you desaturate by 10%, it is **18, 14.306, 123.707**.

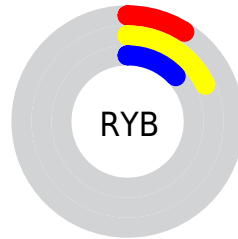
Distribution



Red (15%)

Green (18%)

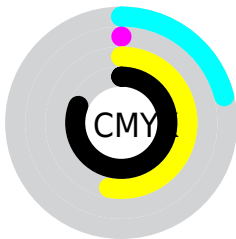
Blue (9%)



Red (9%)

Yellow (18%)

Blue (13%)

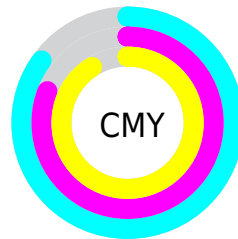


Cyan (21%)

Magenta (0%)

Yellow (53%)

Black (81%)



Cyan (85%)

Magenta (81%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.518, 123.307 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, 17.518, 123.307 by changing the saturation by 10% instead.

■ 18, 17.518,
123.307

■ 18, 17.518,
123.307

■ 100, 17.518,
123.307

■ 8, 17.518, 123.307

■ 38, 17.518,
123.307

■ 0, 17.518, 123.307

■ 48, 17.518,
123.307


■ 58, 17.518,
123.307


■ 68, 17.518,
123.307


■ 78, 17.518,
123.307


■ 88, 17.518,


123.307


 98, 17.518,
123.307


 18, 17.518,
123.307


 18, 17.518,
123.307

 18, 20.605,
122.968


 18, 14.306,
123.707

 18, 23.301,
123.044

 19, 11.017,
124.129


 17, 25.533,
123.519

 19, 7.681, 124.558

 17, 27.691,
123.997

 19, 4.323, 124.982

 19, 0.960, 125.413

 17, 29.239,
124.300

 20, 2.395, 305.756

■ 20, 5.733, 306.129

■ 21, 9.047, 306.474

■ 21, 12.330,
306.794

Harmonies

Complementary

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



18, 17.518, 123.307



10, 18.958, 308.106

Rectangle

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



18, 17.518, 123.307



18, 17.518, 173.307



18, 17.518, 303.307



18, 17.518, 353.307

Sweetspot

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



18, 17.519, 123.309



25, 6.674, 124.813



14, 11.170, 57.874



11, 4.399, 124.812



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, 17.519, 123.309



24, 25.510, 122.855



17, 20.121, 138.440



8, 1.684, 125.896



33, 47.629, 123.096



78, 92.651, 124.498

Inverse Universe

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



10, 18.958, 308.106



12, 28.297, 308.877



12, 20.283, 323.248



7, 1.682, 305.091



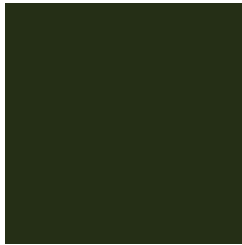
9, 57.545, 310.703



31, 111.863, 309.759

Previews

White Background



This preview shows how the CIELCh color 18, 17.518, 123.307 looks on a white background.

Color Contrast Check

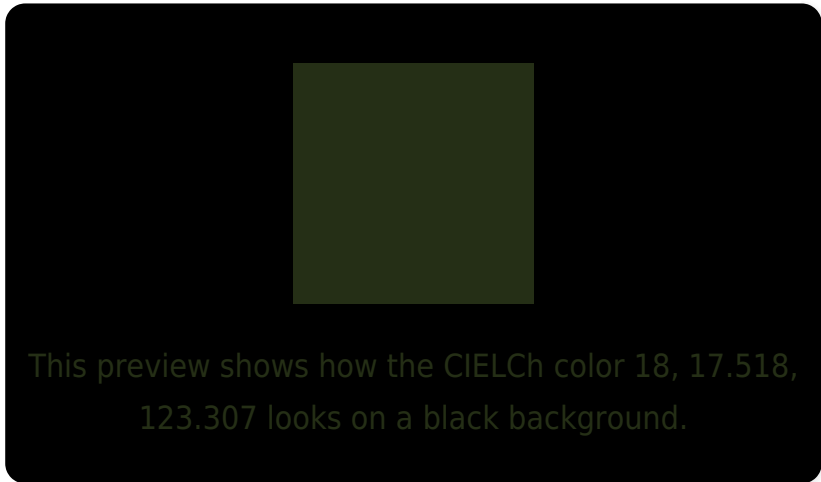
Large Text (above 18pt) WCAG AA ✓ Pass

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

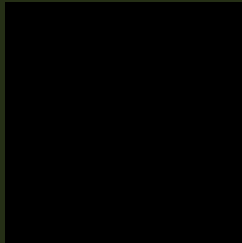
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.518, 123.307

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.518, 123.307.

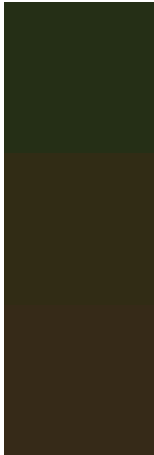


This preview shows how white text looks on a background with the CIELCh color 18, 17.518, 123.307.

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

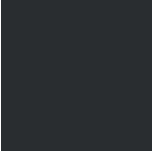
18, 17.518, 123.307

Protanopia

18, 15.768, 96.148

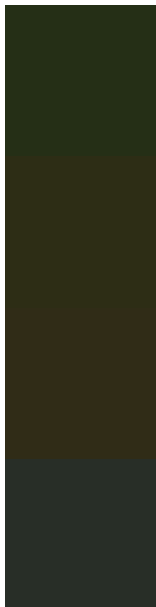
Deuteranopia

18, 14.084, 79.125



Tritanopia
18, 2.721, 248.828

Trichromacy



Original Color
18, 17.518, 123.307

Protanomaly
18, 16.097, 106.032

Deuteranomaly
18, 14.394, 97.814

Tritanomaly
18, 5.638, 139.882

Monochromacy



Original Color
18, 17.518, 123.307

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.401, 122.132

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.518, 123.307 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(37, 47, 22)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 47, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 47, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.518, 123.307 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(37, 47, 22) }
```

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

```
.border{ border-color:rgb(37, 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(37, 47, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 47, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 47, 22);  
box-shadow:4px 4px 4px 4px rgb(37, 47, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.518, 123.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 47, 22) }
```

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

```
.background{ background-color: rgb(37, 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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