

Converting Colors

CIELCh(18, 17.423, 127.768)

Have a look what the booklet for
CIELCh(18, 17.423, 127.768)
contains.

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Color

CIELCh(18, 17.422, 128.598)

Conversions

Conversions Part 1

Format	Color
Hex	233018
RGB	35, 48, 24
RGB Percent	14%, 19%, 9%
CMY	0.8635, 0.8125, 0.9066
CMYK	0.27, 0.00, 0.50, 0.81
HSL	93°, 33%, 14%
HSV	93°, 50%, 19%
XYZ	1.8993, 2.5180, 1.2406
YIQ	41.3770, -0.0440, -10.2200

Conversions

Conversions Part 2

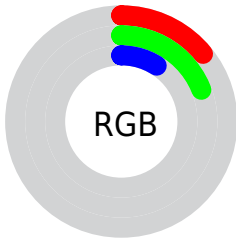
Format	Color
R_{YB}	24, 48, 37
Decimal	2306072
CIE _{Lab}	18.00, -10.87, 13.62
CIE _{LCh}	18, 17.422, 128.598
Yxy	2.5180, 0.3357, 0.4450
Android (android.graphics.Color)	4280496152 (0xFF233018)
YUV	41.3770, -8.5669, -5.5926
Hunter-Lab	15.8683, -6.4042, 6.4724

Details

The CIELCh color **18, 17.422, 128.598** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 18.382, 312.480**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.563, 128.494**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 20.714, 128.236**, and if you desaturate by 10%, it is **18, 14.023, 128.993**.

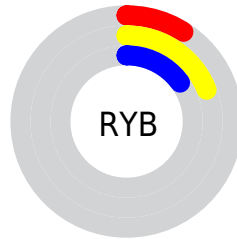
Distribution



Red (14%)

Green (19%)

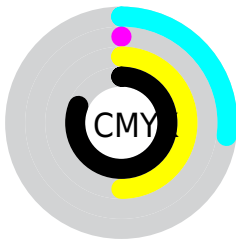
Blue (9%)



Red (9%)

Yellow (19%)

Blue (15%)

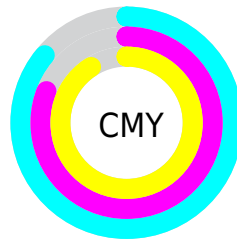


Cyan (27%)

Magenta (0%)

Yellow (50%)

Black (81%)



Cyan (86%)

Magenta (81%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.422, 128.598 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, 17.422, 128.598 by changing the saturation by 10% instead.

■ 18, 17.422,
128.598

■ 18, 17.422,
128.598

■ 100, 17.422,
128.598

■ 8, 17.422, 128.598

■ 38, 17.422,
128.598

■ 0, 17.422, 128.598

■ 48, 17.422,
128.598

■ 58, 17.422,
128.598


■ 68, 17.422,
128.598

■ 78, 17.422,
128.598


■ 88, 17.422,


128.598


 98, 17.422,
128.598


 18, 17.422,
128.598

 18, 17.422,
128.598

 18, 20.714,
128.236


 18, 14.023,
128.993

 17, 23.726,
128.154

 19, 10.558,
129.395


 17, 26.235,
128.588

 19, 7.060, 129.790

 17, 28.556,
129.096

 19, 3.554, 130.172

 20, 0.055, 131.395

 17, 30.843,
129.482

 20, 3.421, 310.825

■ 21, 6.866, 311.133

■ 21, 10.270,
311.411

■ 22, 13.630,
311.663

Harmonies

Complementary

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



18, 17.422, 128.598



11, 18.382, 312.480

Rectangle

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



18, 17.422, 128.598



18, 17.422, 178.598



18, 17.422, 308.598



18, 17.422, 358.598

Sweetspot

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



18, 17.423, 128.599



25, 6.460, 129.959



15, 10.983, 73.594



11, 4.303, 129.952



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, 17.423, 128.599



23, 25.337, 128.139



17, 19.557, 142.135



8, 1.736, 130.914



32, 49.741, 128.104



77, 97.074, 129.518

Inverse Universe

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



11, 18.382, 312.480



13, 27.141, 312.990



12, 19.508, 327.600



7, 1.731, 310.117



11, 55.947, 313.756



35, 108.523, 312.781

Previews

White Background



This preview shows how the CIELCh color 18, 17.422, 128.598 looks on a white background.

Color Contrast Check

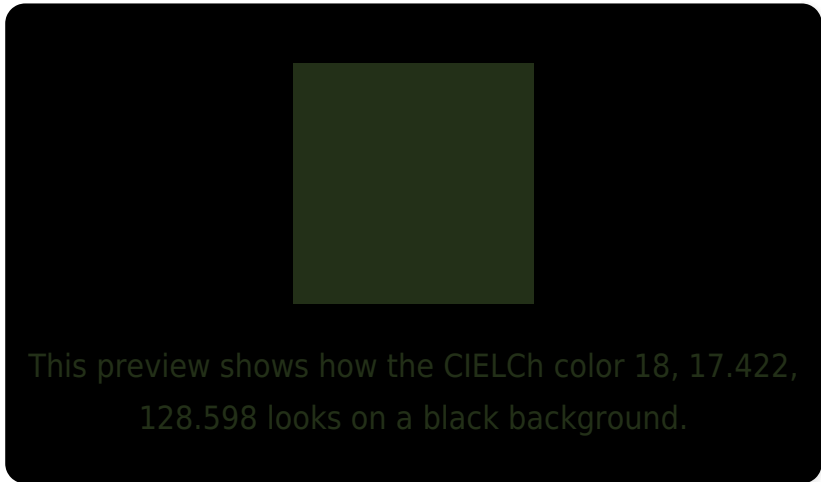
Large Text (above 18pt) WCAG AA ✓ Pass

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

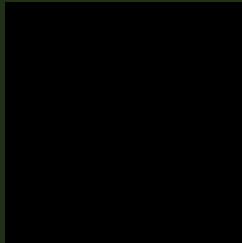
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

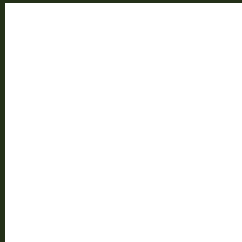
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 17.422, 128.598

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.422, 128.598.

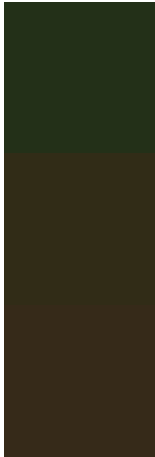


This preview shows how white text looks on a background with the CIELCh color 18, 17.422, 128.598.

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

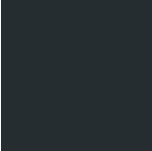
18, 17.422, 128.598

Protanopia

18, 14.495, 95.684

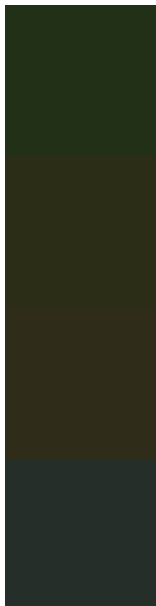
Deuteranopia

18, 13.481, 78.083



Tritanopia
18, 4.096, 241.546

Trichromacy



Original Color
18, 17.422, 128.598

Protanomaly
18, 14.832, 108.430

Deuteranomaly
18, 13.013, 99.718

Tritanomaly
18, 5.983, 154.479

Monochromacy



Original Color
18, 17.422, 128.598

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.891, 128.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.422, 128.598 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(35, 48, 24)` looks like.

```
.text, #text, p{  
    color:rgb(35, 48, 24)  
}
```

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(35, 48, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 48, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.422, 128.598 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(35, 48, 24) }
```

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

```
.border{ border-color:rgb(35, 48, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 48, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 48, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 48, 24);  
box-shadow:4px 4px 4px 4px rgb(35, 48, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.422, 128.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 48, 24) }
```

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

```
.background{ background-color: rgb(35, 48,  
24) }
```

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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