

Converting Colors

CIELCh(18, 18.598, 133.537)

Have a look what the booklet for
CIELCh(18, 18.598, 133.537)
contains.

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Color

CIELCh(18, 18.289, 133.920)

Conversions

Conversions Part 1

Format	Color
Hex	1F3018
RGB	31, 48, 24
RGB Percent	12%, 19%, 9%
CMY	0.8767, 0.8099, 0.9042
CMYK	0.35, 0.00, 0.50, 0.81
HSL	102°, 33%, 14%
HSV	102°, 50%, 19%
XYZ	1.8240, 2.5180, 1.2776
YIQ	40.1810, -2.4280, -11.0680

Conversions

Conversions Part 2

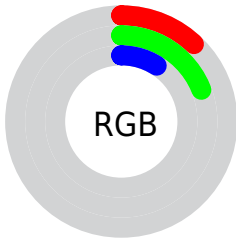
Format	Color
RYB	24, 48, 41
Decimal	2043928
CIELab	18.00, -12.69, 13.17
CIELCh	18, 18.289, 133.920
Yxy	2.5180, 0.3246, 0.4481
Android (android.graphics.Color)	4280234008 (0xFF1F3018)
YUV	40.1810, -7.9772, -8.0517
Hunter-Lab	15.8683, -7.2513, 6.3344

Details

The CIELCh color **18, 18.289, 133.920** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 18.832, 317.728**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.296, 133.443**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 21.797, 133.456**, and if you desaturate by 10%, it is **18, 14.667, 134.389**.

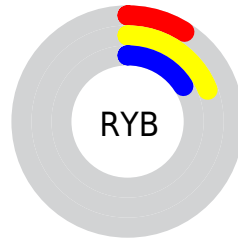
Distribution



Red (12%)

Green (19%)

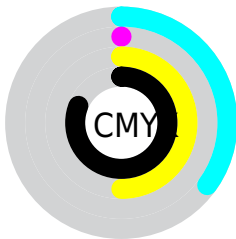
Blue (9%)



Red (9%)

Yellow (19%)

Blue (16%)

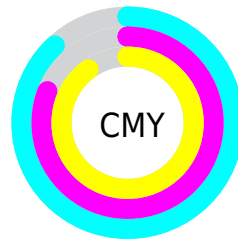


Cyan (35%)

Magenta (0%)

Yellow (50%)

Black (81%)



Cyan (88%)

Magenta (81%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.289, 133.920 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, 18.289, 133.920 by changing the saturation by 10% instead.

■ 18, 18.289,
133.920

■ 18, 18.289,
133.920

■ 100, 18.289,
133.920

■ 8, 18.289, 133.920

■ 38, 18.289,
133.920

■ 0, 18.289, 133.920

■ 48, 18.289,
133.920


■ 58, 18.289,
133.920


■ 68, 18.289,
133.920


■ 78, 18.289,
133.920


■ 88, 18.289,


133.920


 98, 18.289,
133.920


 18, 18.289,
133.920

 18, 18.289,
133.920

 18, 21.797,
133.456


 18, 14.667,
134.389

 17, 25.043,
133.198

 19, 10.978,
134.841


 17, 27.774,
133.468

 19, 7.261, 135.266

 17, 30.246,
133.812

 20, 3.543, 135.664

 20, 0.153, 315.550

 17, 32.688,
133.970

 21, 3.811, 316.296

■ 17, 32.786,
133.973

■ 21, 7.420, 316.588

■ 22, 10.970,
316.843

■ 22, 14.457,
317.068

Harmonies

Complementary

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



18, 18.289, 133.920



12, 18.832, 317.728

Rectangle

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



18, 18.289, 133.920



18, 18.289, 183.920



18, 18.289, 313.920



18, 18.289, 3.920

Sweetspot

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



18, 18.290, 133.921



26, 6.992, 135.417



17, 12.253, 88.432



12, 4.822, 135.399



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, 18.290, 133.921



24, 27.510, 133.285



18, 17.394, 147.115



9, 2.127, 135.737



33, 53.111, 132.325



76, 102.405, 133.424

Inverse Universe

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



12, 18.832, 317.728



15, 28.515, 318.141



13, 17.436, 333.218



8, 2.143, 316.248



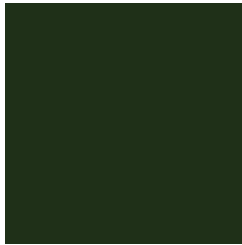
14, 55.387, 318.277



41, 105.827, 317.517

Previews

White Background



This preview shows how the CIELCh color 18, 18.289, 133.920 looks on a white background.

Color Contrast Check

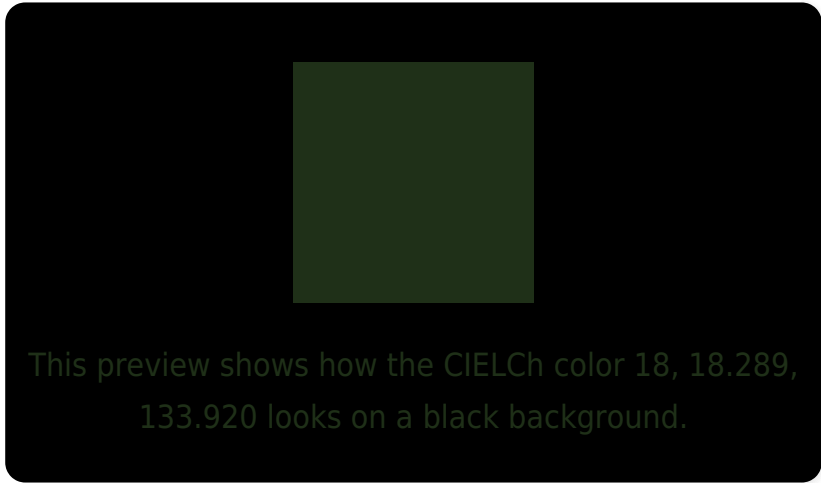
Large Text (above 18pt) WCAG AA ✓ Pass

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

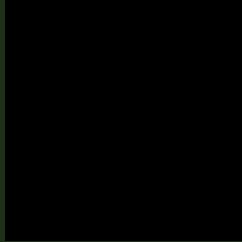
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.289, 133.920

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.289, 133.920.



This preview shows how white text looks on a background with the CIELCh color 18, 18.289, 133.920.

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

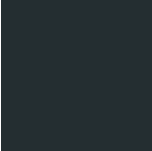
18, 18.289, 133.920

Protanopia

18, 14.495, 95.684

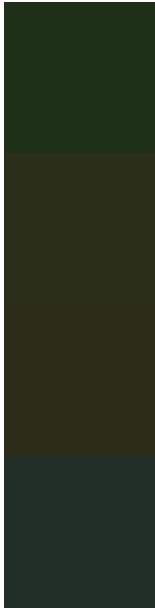
Deuteranopia

18, 12.592, 79.024



Tritanopia
18, 4.794, 224.332

Trichromacy



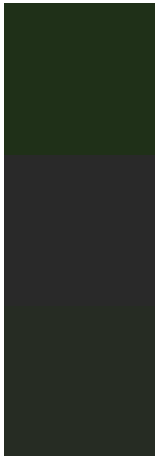
Original Color
18, 18.289, 133.920

Protanomaly
18, 14.876, 112.554

Deuteranomaly
18, 12.918, 104.447

Tritanomaly
18, 7.811, 159.675

Monochromacy



Original Color
18, 18.289, 133.920

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.902, 133.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.289, 133.920 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(31, 48, 24)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 48, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 48, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.289, 133.920 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(31, 48, 24) }
```

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

```
.border{ border-color:rgb(31, 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(31, 48, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 48, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 48, 24);  
box-shadow:4px 4px 4px 4px rgb(31, 48, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.289, 133.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 48, 24) }
```

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

```
.background{ background-color: rgb(31, 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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