

Converting Colors

CIELCh(18, 16.606, 131.701)

Have a look what the booklet for
CIELCh(18, 16.606, 131.701)
contains.

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Color

CIELCh(18, 16.446, 131.901)

Conversions

Conversions Part 1

Format	Color
Hex	22301A
RGB	34, 48, 26
RGB Percent	13%, 19%, 10%
CMY	0.8671, 0.8122, 0.8984
CMYK	0.29, 0.00, 0.46, 0.81
HSL	98°, 30%, 14%
HSV	98°, 46%, 19%
XYZ	1.8945, 2.5180, 1.3579
YIQ	41.3060, -1.2820, -9.8100

Conversions

Conversions Part 2

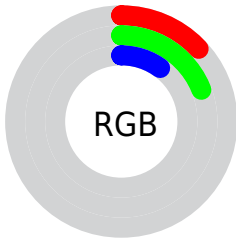
Format	Color
RYB	26, 48, 40
Decimal	2240538
CIELab	18.00, -10.98, 12.24
CIELCh	18, 16.446, 131.901
Yxy	2.5180, 0.3283, 0.4364
Android (android.graphics.Color)	4280430618 (0xFF22301A)
YUV	41.3060, -7.5459, -6.4074
Hunter-Lab	15.8683, -6.4583, 6.0343

Details

The CIELCh color **18, 16.446, 131.901** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 17.052, 315.338**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.625, 131.380**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 19.894, 131.484**, and if you desaturate by 10%, it is **18, 12.909, 132.327**.

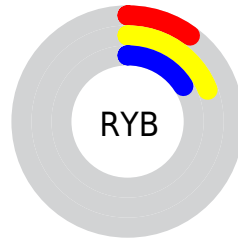
Distribution



Red (13%)

Green (19%)

Blue (10%)



Red (10%)

Yellow (19%)

Blue (16%)

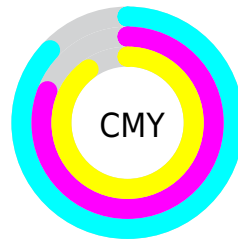


Cyan (29%)

Magenta (0%)

Yellow (46%)

Black (81%)



Cyan (87%)

Magenta (81%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.446, 131.901 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, 16.446, 131.901 by changing the saturation by 10% instead.

■ 18, 16.446,
131.901

■ 18, 16.446,
131.901

■ 100, 16.446,
131.901

■ 8, 16.446, 131.901

■ 38, 16.446,
131.901

■ 0, 16.446, 131.901

■ 48, 16.446,
131.901


■ 58, 16.446,
131.901


■ 68, 16.446,
131.901


■ 78, 16.446,
131.901

■ 88, 16.446,


131.901


 98, 16.446,
131.901

 18, 16.446,
131.901


 18, 16.446,
131.901


 18, 19.894,
131.484


 18, 12.909,
132.327


 17, 23.169,
131.163


 19, 9.322, 132.741

 17, 25.988,
131.365

 19, 5.717, 133.136

 17, 28.418,
131.850

 20, 2.117, 133.516

 17, 30.818,
132.197

 20, 1.461, 313.780

 20, 5.004, 314.112

■ 17, 31.794,
132.296

■ 21, 8.502, 314.390

■ 22, 11.948,
314.637

■ 22, 15.337,
314.857

Harmonies

Complementary

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



18, 16.446, 131.901



12, 17.052, 315.338

Rectangle

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



18, 16.446, 131.901



18, 16.446, 181.901



18, 16.446, 311.901



18, 16.446, 1.901

Sweetspot

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



18, 16.447, 131.902



25, 6.178, 133.181



17, 10.642, 83.378



11, 4.165, 133.168



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, 16.447, 131.902



23, 24.006, 131.406



18, 16.780, 145.337



7, 1.777, 134.047



32, 51.098, 130.695



76, 99.759, 131.987

Inverse Universe

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



12, 17.052, 315.338



14, 25.126, 315.748



13, 16.785, 330.591



7, 1.772, 313.327



13, 54.951, 316.232



38, 106.363, 315.335

Previews

White Background



This preview shows how the CIELCh color 18, 16.446, 131.901 looks on a white background.

Color Contrast Check

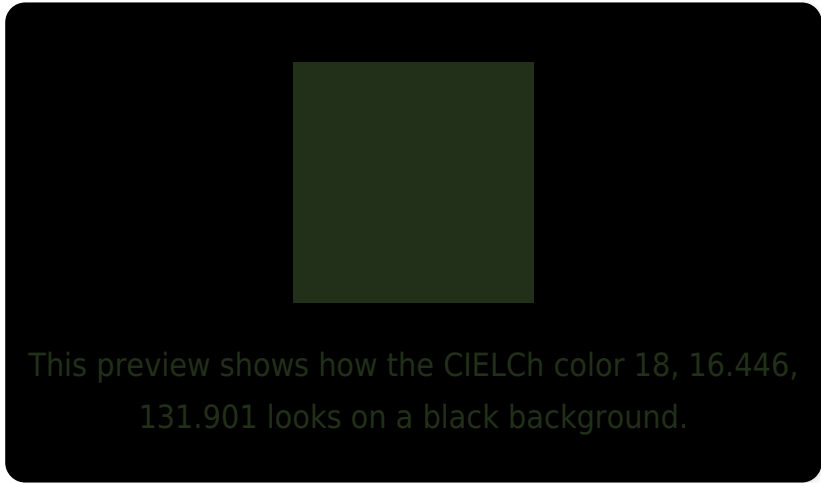
Large Text (above 18pt) WCAG AA ✓ Pass

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

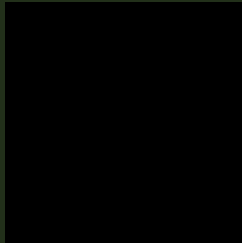
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.446, 131.901

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.446, 131.901.

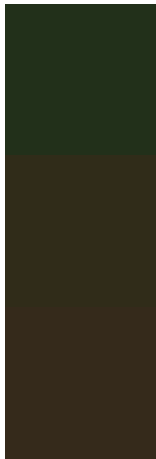


This preview shows how white text looks on a background with the CIELCh color 18, 16.446, 131.901.

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

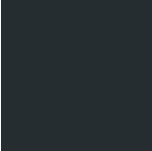
18, 16.446, 131.901

Protanopia

18, 13.097, 97.375

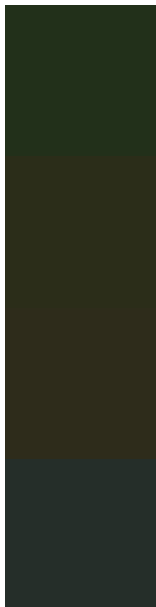
Deuteranopia

18, 11.986, 77.791



Tritanopia
18, 4.096, 241.546

Trichromacy



Original Color
18, 16.446, 131.901

Protanomaly
18, 13.571, 111.170

Deuteranomaly
18, 11.633, 101.937

Tritanomaly
18, 5.503, 159.478

Monochromacy



Original Color
18, 16.446, 131.901

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.283, 136.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.446, 131.901 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(34, 48, 26)` looks like.

```
.text, #text, p{  
    color:rgb(34, 48, 26)  
}
```

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(34, 48, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 48, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.446, 131.901 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(34, 48, 26) }
```

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

```
.border{ border-color:rgb(34, 48, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 48, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 48, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 48, 26);  
box-shadow:4px 4px 4px 4px rgb(34, 48, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.446, 131.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 48, 26) }
```

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

```
.background{ background-color: rgb(34, 48,  
26) }
```

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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