

Converting Colors

CIELCh(18, 26.834, 106.504)

Have a look what the booklet for
CIELCh(18, 26.834, 106.504)
contains.

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Color

CIELCh(18, 26.568, 106.614)

Conversions

Conversions Part 1

Format	Color
Hex	2C2E00
RGB	44, 46, 0
RGB Percent	17%, 18%, 0%
CMY	0.8264, 0.8185, 0.9985
CMYK	0.04, 0.00, 0.99, 0.82
HSL	63°, 98%, 9%
HSV	63°, 99%, 18%
XYZ	2.0401, 2.5180, 0.3898
YIQ	40.1580, 13.5740, -14.7300

Conversions

Conversions Part 2

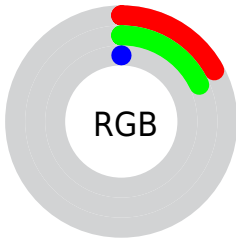
Format	Color
R_{YB}	0, 46, 2
Decimal	2895360
CIE _{Lab}	18.00, -7.60, 25.46
CIE _{LCh}	18, 26.568, 106.614
Yxy	2.5180, 0.4123, 0.5089
Android (android.graphics.Color)	4281085440 (0xFF2C2E00)
YUV	40.1580, -19.7979, 3.3694
Hunter-Lab	15.8683, -4.8207, 9.6514

Details

The CIELCh color **18, 26.568, 106.614** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2, 29.789, 296.163**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 26.779, 106.893**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.728, 106.608**, and if you desaturate by 10%, it is **18, 24.702, 106.728**.

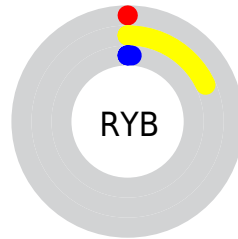
Distribution



Red (17%)

Green (18%)

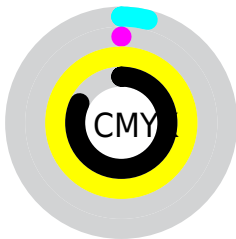
Blue (0%)



Red (0%)

Yellow (18%)

Blue (1%)

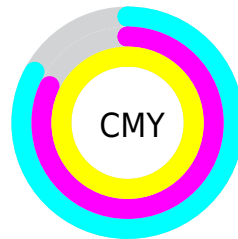


Cyan (4%)

Magenta (0%)

Yellow (99%)

Black (82%)



Cyan (83%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 26.568, 106.614 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, 26.568, 106.614 by changing the saturation by 10% instead.

 18, 26.568,
106.614


 18, 26.568,
106.614

 100, 26.568,
106.614

 8, 26.568, 106.614


 38, 26.568,
106.614

 0, 26.568, 106.614

 48, 26.568,
106.614

 58, 26.568,
106.614

 68, 26.568,
106.614


 78, 26.568,
106.614

 88, 26.568,

106.614


 98, 26.568,
106.614


 18, 26.568,
106.614


 18, 26.568,
106.614


 18, 26.728,
106.608

 18, 24.702,
106.728

 18, 22.838,
106.875

 18, 20.760,
107.127

 18, 18.157,
107.644

 18, 15.260,
108.323

■ 18, 12.252,
109.036

■ 19, 9.171, 109.768

■ 19, 6.045, 110.506

■ 19, 2.892, 111.239

Harmonies

Complementary

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



18, 26.568, 106.614



2, 29.789, 296.163

Rectangle

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



18, 26.568, 106.614



18, 26.568, 156.614



18, 26.568, 286.614



18, 26.568, 336.614

Sweetspot

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



18, 26.568, 106.616



25, 11.928, 109.572



6, 23.415, 22.041



11, 7.853, 109.779



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, 26.568, 106.616



25, 34.396, 105.509



16, 29.650, 129.455



8, 1.617, 111.976



35, 44.221, 105.369



82, 85.096, 105.595

Inverse Universe

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



2, 29.789, 296.163



3, 42.154, 301.782



4, 31.665, 310.960



7, 1.621, 291.841



6, 60.193, 306.317



27, 117.110, 306.395

Previews

White Background



This preview shows how the CIELCh color 18, 26.568, 106.614 looks on a white background.

Color Contrast Check

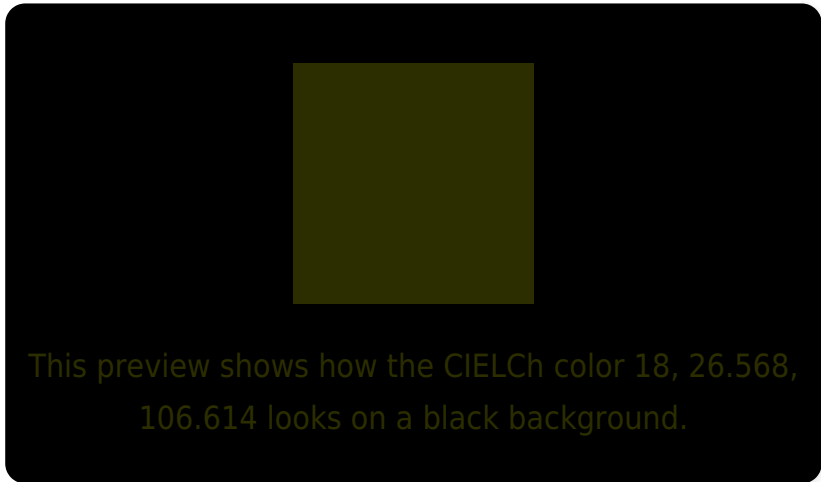
Large Text (above 18pt) WCAG AA ✓ Pass

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

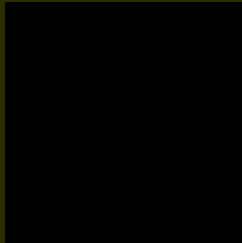
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 26.568, 106.614

Background



This preview shows how black text looks on a background with the CIELCh color 18, 26.568, 106.614.

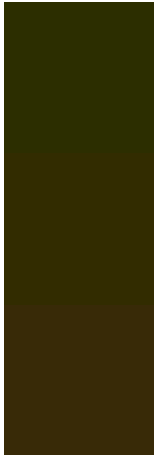


This preview shows how white text looks on a background with the CIELCh color 18, 26.568, 106.614.

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, 26.568, 106.614

Protanopia

18, 25.730, 96.604

Deuteranopia

18, 23.165, 84.533



Tritanopia
18, 2.818, 332.749

Trichromacy



Original Color
18, 26.568, 106.614

Protanomaly
18, 26.078, 100.460

Deuteranomaly
18, 23.963, 93.539

Tritanomaly
18, 10.300, 101.670

Monochromacy



Original Color
18, 26.568, 106.614

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 10.986, 107.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 26.568, 106.614 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(44, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 46, 0)  
}
```

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(44, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 46, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 26.568, 106.614 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(44, 46, 0) }
```

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

```
.border{ border-color:rgb(44, 46, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 46, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 46, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(44, 46, 0); box-shadow:4px  
4px 4px 4px rgb(44, 46, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 26.568, 106.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 46, 0) }
```

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

```
.background{ background-color: rgb(44, 46,  
0) }
```

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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