

Converting Colors

CIELCh(18, 16.624, 106.134)

Have a look what the booklet for
CIELCh(18, 16.624, 106.134)
contains.

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Color

CIELCh(18, 16.726, 105.870)

Conversions

Conversions Part 1

Format	Color
Hex	2D2D14
RGB	45, 45, 20
RGB Percent	18%, 18%, 8%
CMY	0.8222, 0.8223, 0.9204
CMYK	0.00, 0.00, 0.55, 0.82
HSL	60°, 38%, 13%
HSV	60°, 55%, 18%
XYZ	2.1762, 2.5180, 1.0472
YIQ	42.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

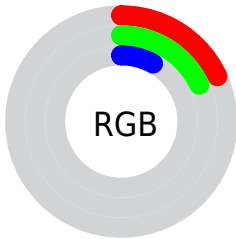
Format	Color
RYB	20, 45, 20
Decimal	2960660
CIELab	18.00, -4.57, 16.09
CIElCh	18, 16.726, 105.870
Yxy	2.5180, 0.3790, 0.4386
Android (android.graphics.Color)	4281150740 (0xFF2D2D14)
YUV	42.1500, -10.9200, 2.4995
Hunter-Lab	15.8683, -3.2904, 7.1952

Details

The CIELCh color **18, 16.726, 105.870** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 18.856, 296.436**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.984, 105.862**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 19.420, 105.218**, and if you desaturate by 10%, it is **18, 13.831, 106.620**.

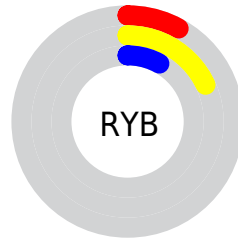
Distribution



Red (18%)

Green (18%)

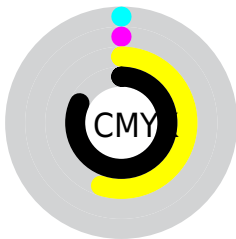
Blue (8%)



Red (8%)

Yellow (18%)

Blue (8%)

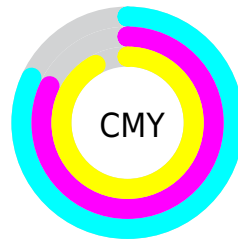


Cyan (0%)

Magenta (0%)

Yellow (55%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.726, 105.870 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, 16.726, 105.870 by changing the saturation by 10% instead.

■ 18, 16.726,
105.870

■ 18, 16.726,
105.870

■ 100, 16.726,
105.870

■ 8, 16.726, 105.870

■ 38, 16.726,
105.870

■ 0, 16.726, 105.870

■ 48, 16.726,
105.870


■ 58, 16.726,
105.870


■ 68, 16.726,
105.870


■ 78, 16.726,
105.870


■ 88, 16.726,


105.870


 98, 16.726,
105.870


 18, 16.726,
105.870


 18, 16.726,
105.870

 18, 19.420,
105.218


 18, 13.831,
106.620

 18, 21.624,
104.806


 18, 10.845,
107.394

 18, 23.465,
104.531

 18, 7.800, 108.180

 18, 25.290,
104.307

 18, 4.719, 108.969

 18, 26.164,
104.214

 19, 1.618, 109.745

 19, 1.492, 290.549

■ 19, 4.602, 291.296

■ 19, 7.708, 292.031

■ 19, 10.805,
292.743

Harmonies

Complementary

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



18, 16.726, 105.870



8, 18.856, 296.436

Rectangle

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



18, 16.726, 105.870



18, 16.726, 155.870



18, 16.726, 285.870



18, 16.726, 335.870

Sweetspot

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



18, 16.726, 105.873



24, 6.547, 108.753



10, 13.879, 22.608



11, 4.431, 108.753



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, 16.726, 105.873



24, 24.308, 104.864



17, 17.980, 126.371



8, 1.615, 110.155



36, 44.152, 102.833



83, 84.941, 102.831

Inverse Universe

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



8, 18.856, 296.436



9, 28.691, 298.903



9, 19.255, 310.818



7, 1.619, 290.173



6, 60.332, 305.907



26, 117.304, 306.284

Previews

White Background



This preview shows how the CIE LCh color 18, 16.726, 105.870 looks on a white background.

Color Contrast Check

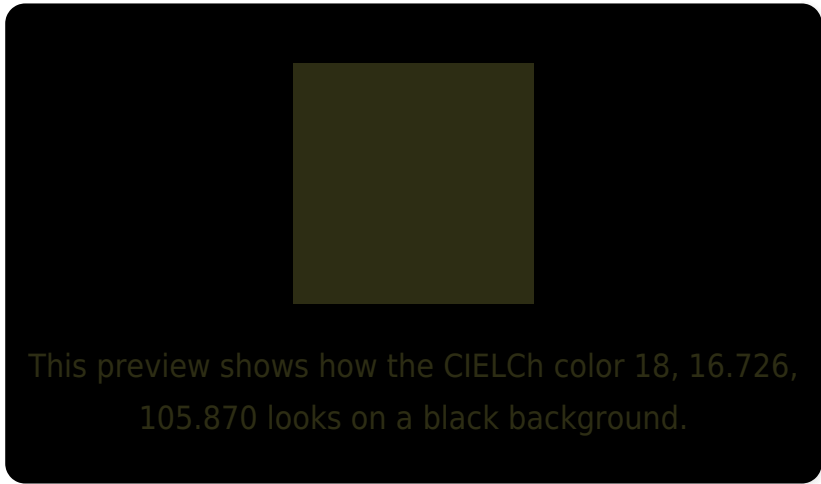
Large Text (above 18pt) WCAG AA ✓ Pass

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

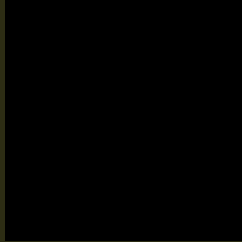
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

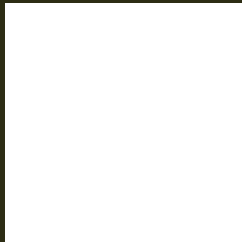
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 16.726, 105.870

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.726, 105.870.

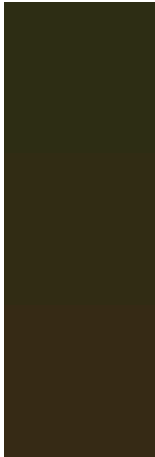


This preview shows how white text looks on a background with the CIELCh color 18, 16.726, 105.870.

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, 16.726, 105.870

Protanopia

18, 16.396, 96.332

Deuteranopia

18, 15.899, 81.675



Tritanopia
18, 3.159, 339.236

Trichromacy



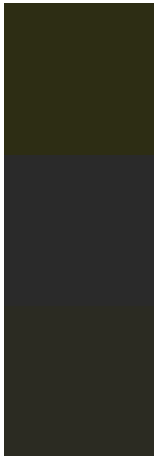
Original Color
18, 16.726, 105.870

Protanomaly
18, 16.303, 98.241

Deuteranomaly
18, 15.602, 89.857

Tritanomaly
18, 5.037, 91.526

Monochromacy



Original Color
18, 16.726, 105.870

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.202, 108.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.726, 105.870 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(45, 45, 20)` looks like.

```
.text, #text, p{  
    color:rgb(45, 45, 20)  
}
```

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(45, 45, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 45, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.726, 105.870 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(45, 45, 20) }
```

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

```
.border{ border-color:rgb(45, 45, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 45, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 45, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 45, 20);  
box-shadow:4px 4px 4px 4px rgb(45, 45, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.726, 105.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 45, 20) }
```

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

```
.background{ background-color: rgb(45, 45,  
20) }
```

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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