

Converting Colors

CIELCh(16, 9.070, 108.125)

Have a look what the booklet for
CIELCh(16, 9.070, 108.125) contains.

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Color

CIELCh(16, 9.686, 110.663)

Conversions

Conversions Part 1

Format	Color
Hex	28291B
RGB	40, 41, 27
RGB Percent	16%, 16%, 11%
CMY	0.8438, 0.8399, 0.8948
CMYK	0.02, 0.00, 0.34, 0.84
HSL	64°, 21%, 13%
HSV	64°, 34%, 16%
XYZ	1.8506, 2.0993, 1.3343
YIQ	39.1050, 3.8980, -4.5660

Conversions

Conversions Part 2

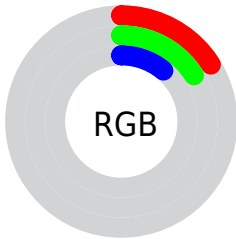
Format	Color
RYB	27, 41, 28
Decimal	2631963
CIELab	16.00, -3.42, 9.06
CIElCh	16, 9.686, 110.663
Yxy	2.0993, 0.3502, 0.3973
Android (android.graphics.Color)	4280822043 (0xFF28291B)
YUV	39.1050, -5.9678, 0.7849
Hunter-Lab	14.4890, -2.5564, 4.6824

Details

The CIELCh color **16, 9.686, 110.663** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10, 10.332, 295.849**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 9.867, 111.156**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 12.437, 109.995**, and if you desaturate by 10%, it is **16, 6.888, 111.349**.

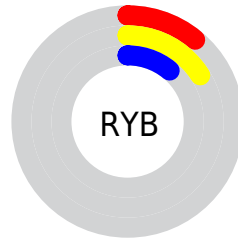
Distribution



Red (16%)

Green (16%)

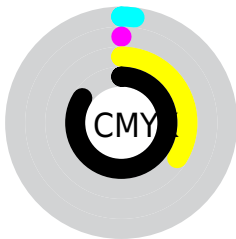
Blue (11%)



Red (11%)

Yellow (16%)

Blue (11%)

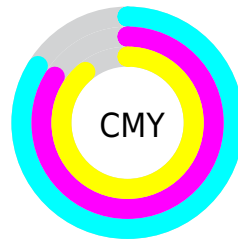


Cyan (2%)

Magenta (0%)

Yellow (34%)

Black (84%)



Cyan (84%)

Magenta (84%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 9.686, 110.663 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 16, 9.686, 110.663 by changing the saturation by 10% instead.

 16, 9.686, 110.663

 16, 9.686, 110.663

 100, 9.686,
110.663

 6, 9.686, 110.663

 36, 9.686, 110.663

 0, 9.686, 110.663

 46, 9.686, 110.663

 56, 9.686, 110.663

 66, 9.686, 110.663

 76, 9.686, 110.663

 86, 9.686, 110.663

 96, 9.686, 110.663

■ 16, 9.686, 110.663

■ 16, 9.686, 110.663

■ 16, 12.437,
109.995

■ 16, 6.888, 111.349

■ 16, 15.096,
109.368

■ 16, 4.060, 112.031

■ 16, 17.405,
109.041

■ 16, 1.215, 112.701

■ 16, 19.301,
108.949

■ 17, 1.636, 293.383

■ 16, 20.954,
108.965

■ 17, 4.488, 294.025

■ 15, 22.609,
109.001

■ 17, 7.335, 294.650

■ 15, 23.558,
109.029

■ 17, 10.172,
295.253

■ 17, 12.996,
295.832

■ 18, 15.805,
296.386

Harmonies

Complementary

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



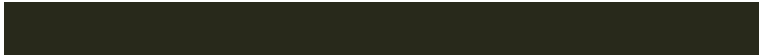
16, 9.686, 110.663



10, 10.332, 295.849

Rectangle

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



16, 9.686, 110.663



16, 9.686, 160.663



16, 9.686, 290.663



16, 9.686, 340.663

Sweetspot

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



16, 9.687, 110.667



22, 3.580, 112.277



12, 7.022, 26.798



10, 2.474, 112.270



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16, 9.687, 110.667



22, 14.496, 110.036



15, 10.555, 130.134



6, 1.304, 113.102



34, 43.407, 106.918



81, 84.529, 107.296

Inverse Universe

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



10, 10.332, 295.849



13, 15.794, 296.859



11, 10.896, 312.585



6, 1.308, 292.890



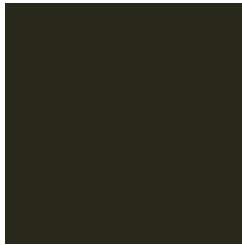
6, 58.596, 306.424



26, 115.912, 306.475

Previews

White Background



This preview shows how the CIELCh color 16, 9.686, 110.663 looks on a white background.

Color Contrast Check

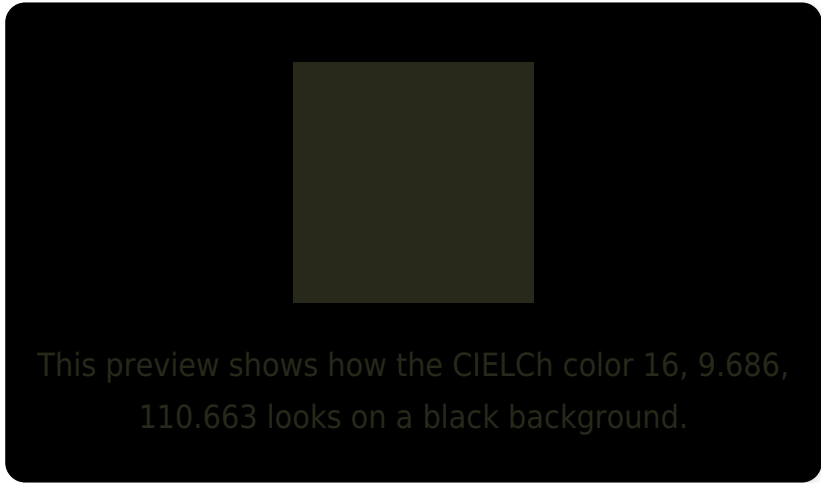
Large Text (above 18pt) WCAG AA ✓ Pass

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

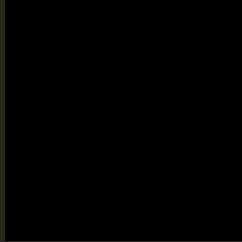
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

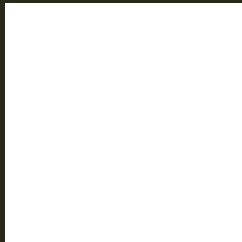
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 9.686, 110.663

Background



This preview shows how black text looks on a background with the CIELCh color 16, 9.686, 110.663.

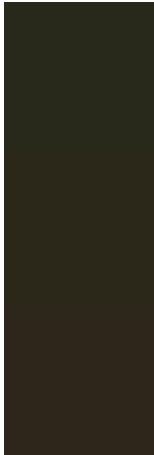


This preview shows how white text looks on a background with the CIELCh color 16, 9.686, 110.663.

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


16, 9.686, 110.663

Protanopia

16, 9.836, 98.140

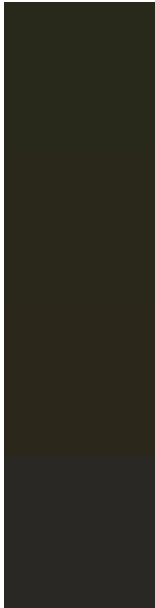
Deuteranopia

16, 9.147, 76.090



Tritanopia
16, 2.559, 324.719

Trichromacy



Original Color

16, 9.686, 110.663

Protanomaly

16, 9.760, 101.246

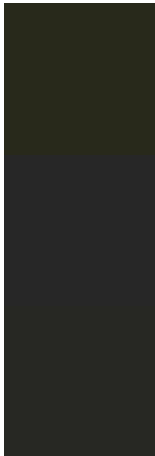
Deuteranomaly

16, 8.790, 90.194

Tritanomaly

16, 2.831, 99.289

Monochromacy



Original Color

16, 9.686, 110.663

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 3.530, 117.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 9.686, 110.663 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(40, 41, 27)` looks like.

```
.text, #text, p{  
    color:rgb(40, 41, 27)  
}
```

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(40, 41, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 41, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 9.686, 110.663 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(40, 41, 27) }
```

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

```
.border{ border-color:rgb(40, 41, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 41, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 41, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 41, 27);  
box-shadow:4px 4px 4px 4px rgb(40, 41, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 9.686, 110.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 41, 27) }
```

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

```
.background{ background-color: rgb(40, 41,  
27) }
```

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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