

Converting Colors

CIELCh(16, 2.494, 77.023)

Have a look what the booklet for
CIELCh(16, 2.494, 77.023) contains.

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Color

CIELCh(16, 2.574, 73.980)

Conversions

Conversions Part 1

Format	Color
Hex	2A2724
RGB	42, 39, 36
RGB Percent	16%, 15%, 14%
CMY	0.8341, 0.8459, 0.8576
CMYK	0.00, 0.07, 0.14, 0.83
HSL	30°, 8%, 15%
HSV	30°, 14%, 17%
XYZ	2.0263, 2.0993, 1.9919
YIQ	39.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

Format	Color
R_{YB}	42, 42, 36
Decimal	2762532
CIE _{Lab}	16.00, 0.71, 2.47
CIE _{LCh}	16, 2.574, 73.980
Yxy	2.0993, 0.3312, 0.3432
Android (android.graphics.Color)	4280952612 (0xFF2A2724)
YUV	39.5550, -1.7526, 2.1443
Hunter-Lab	14.4890, -0.3921, 1.9914

Details

The CIELCh color **16, 2.574, 73.980** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 2.504, 256.983**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 2.792, 81.748**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 4.471, 73.025**, and if you desaturate by 10%, it is **17, 0.746, 74.857**.

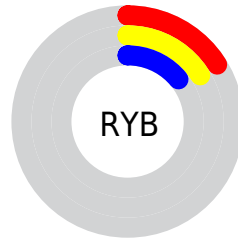
Distribution



Red (16%)

Green (15%)

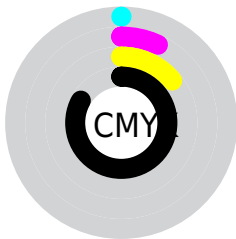
Blue (14%)



Red (16%)

Yellow (16%)

Blue (14%)

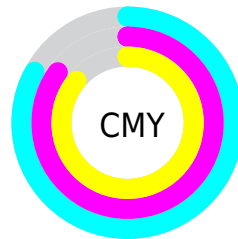


Cyan (0%)

Magenta (7%)

Yellow (14%)

Black (83%)



Cyan (83%)

Magenta (85%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 2.574, 73.980 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, 2.574, 73.980 by changing the saturation by 10% instead.

 16, 2.574, 73.980  16, 2.574, 73.980

 100, 2.574, 73.980  6, 2.574, 73.980

 36, 2.574, 73.980  0, 2.574, 73.980

 46, 2.574, 73.980

 56, 2.574, 73.980

 66, 2.574, 73.980

 76, 2.574, 73.980

 86, 2.574, 73.980

 96, 2.574, 73.980

 16, 2.574, 73.980  16, 2.574, 73.980

■ 15, 4.471, 73.025	■ 17, 0.746, 74.857
■ 14, 6.440, 72.030	■ 18, 1.019, 256.112
■ 14, 8.483, 71.023	■ 19, 2.726, 256.975
■ 13, 10.526, 69.864	■ 19, 4.379, 257.873
■ 12, 12.216, 67.965	■ 20, 5.984, 258.756
■ 11, 13.550, 65.417	■ 21, 7.545, 259.613
■ 10, 14.676, 62.612	■ 22, 9.066, 260.444
■ 10, 15.822, 60.230	■ 23, 10.551, 261.245
■ 9, 16.496, 59.027	■ 24, 12.004, 262.017

Harmonies

Complementary

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



16, 2.574, 73.980



16, 2.504, 256.983

Rectangle

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



16, 2.574, 73.980



16, 2.574, 123.980



16, 2.574, 253.980



16, 2.574, 303.980

Sweetspot

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



16, 2.574, 73.998



23, 0.902, 74.853



15, 3.623, 344.571



10, 0.625, 74.843



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, 2.574, 73.998



22, 3.941, 73.622



17, 4.155, 109.081



6, 0.779, 74.175



22, 35.783, 62.533



56, 74.200, 60.230

Inverse Universe

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



16, 2.504, 256.983



21, 3.799, 257.439



15, 4.265, 291.372



6, 0.794, 256.666



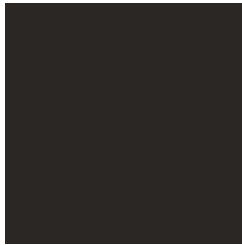
17, 29.805, 279.989



46, 63.334, 284.522

Previews

White Background



This preview shows how the CIELCh color 16, 2.574, 73.980 looks on a white background.

Color Contrast Check

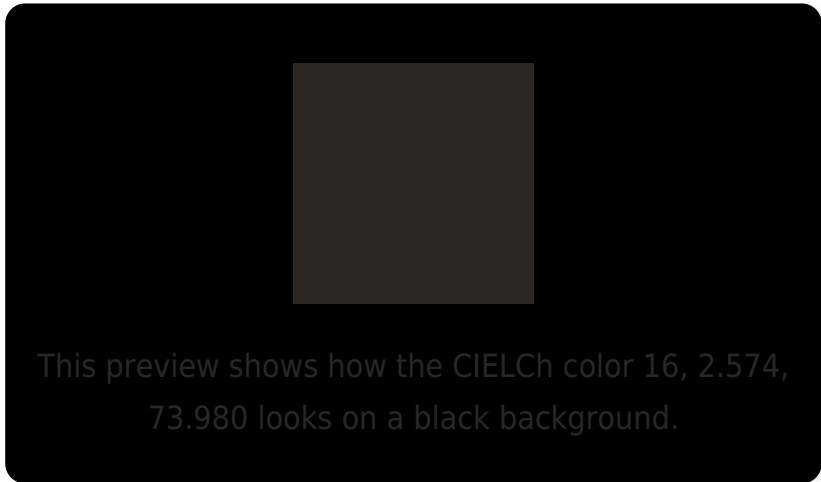
Large Text (above 18pt) WCAG AA ✓ Pass

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

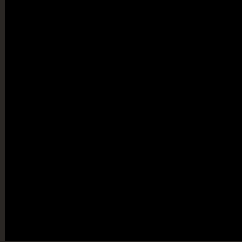
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

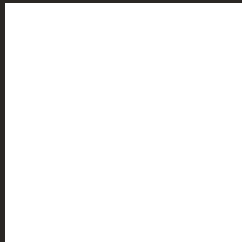
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 2.574, 73.980

Background



This preview shows how black text looks on a background with the CIELCh color 16, 2.574, 73.980.

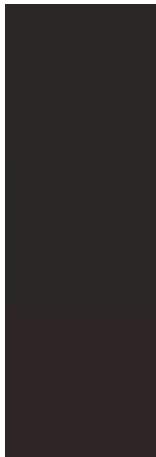


This preview shows how white text looks on a background with the CIELCh color 16, 2.574, 73.980.

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, 2.574, 73.980

Protanopia

16, 2.831, 99.289

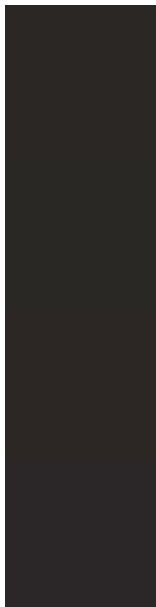
Deuteranopia

16, 3.802, 41.605



Tritanopia
16, 2.858, 332.784

Trichromacy



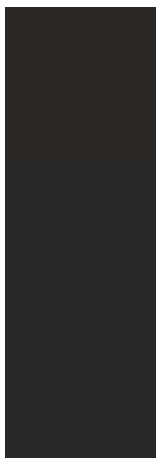
Original Color
16, 2.574, 73.980

Protanomaly
16, 2.831, 99.289

Deuteranomaly
16, 3.329, 44.766

Tritanomaly
16, 2.073, 0.139

Monochromacy



Original Color
16, 2.574, 73.980

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 0.845, 74.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 2.574, 73.980 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(42, 39, 36)` looks like.

```
.text, #text, p{  
    color:rgb(42, 39, 36)  
}
```

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(42, 39, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 39, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 2.574, 73.980 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(42, 39, 36) }
```

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

```
.border{ border-color:rgb(42, 39, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 39, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 39, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 39, 36);  
box-shadow:4px 4px 4px 4px rgb(42, 39, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 2.574, 73.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 39, 36) }
```

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

```
.background{ background-color: rgb(42, 39,  
36) }
```

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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