

Converting Colors

CIELCh(16, 5.343, 61.582)

Have a look what the booklet for
CIELCh(16, 5.343, 61.582) contains.

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Color

CIELCh(16, 5.441, 59.789)

Conversions

Conversions Part 1

Format	Color
Hex	2E2621
RGB	46, 38, 33
RGB Percent	18%, 15%, 13%
CMY	0.8186, 0.8500, 0.8697
CMYK	0.00, 0.17, 0.28, 0.82
HSL	23°, 16%, 16%
HSV	23°, 28%, 18%
XYZ	2.1165, 2.0993, 1.7498
YIQ	39.8220, 6.3730, 0.1410

Conversions

Conversions Part 2

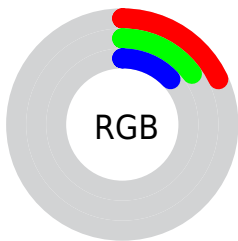
Format	Color
RYB	46, 41, 33
Decimal	3024417
CIELab	16.00, 2.74, 4.70
CIElCh	16, 5.441, 59.789
Yxy	2.0993, 0.3548, 0.3519
Android (android.graphics.Color)	4281214497 (0xFF2E2621)
YUV	39.8220, -3.3632, 5.4181
Hunter-Lab	14.4890, 0.7192, 2.9821

Details

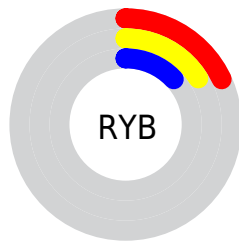
The CIELCh color **16, 5.441, 59.789** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 4.891, 244.895**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 5.474, 62.323**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 7.580, 59.062**, and if you desaturate by 10%, it is **17, 3.414, 60.550**.

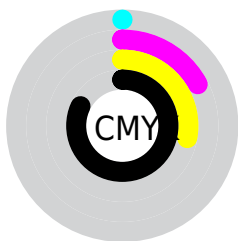
Distribution



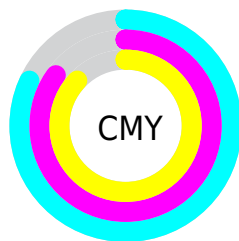
- Red (18%)
- Green (15%)
- Blue (13%)



- Red (18%)
- Yellow (16%)
- Blue (13%)



- Cyan (0%)
- Magenta (17%)
- Yellow (28%)
- Black (82%)



- Cyan (82%)
- Magenta (85%)
- Yellow (87%)



Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 5.441, 59.789 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, 5.441, 59.789 by changing the saturation by 10% instead.

 16, 5.441, 59.789  16, 5.441, 59.789

 100, 5.441, 59.789  6, 5.441, 59.789

 36, 5.441, 59.789  0, 5.441, 59.789

 46, 5.441, 59.789

 56, 5.441, 59.789

 66, 5.441, 59.789

 76, 5.441, 59.789

 86, 5.441, 59.789

 96, 5.441, 59.789

 16, 5.441, 59.789  16, 5.441, 59.789

■ 15, 7.580, 59.062

■ 17, 3.414, 60.550

■ 14, 9.836, 58.354

■ 18, 1.491, 61.274

■ 13, 12.141, 57.474

■ 19, 0.335, 242.672

■ 12, 14.106, 55.476

■ 20, 2.074, 243.057

■ 11, 15.725, 52.598

■ 21, 3.733, 243.815

■ 10, 17.208, 49.688

■ 23, 5.321, 244.586

■ 9, 18.716, 47.403

■ 24, 6.844, 245.351

■ 9, 18.998, 47.041

■ 25, 8.311, 246.103

■ 26, 9.725, 246.838

Harmonies

Complementary

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



16, 5.441, 59.789



16, 4.891, 244.895

Rectangle

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



16, 5.441, 59.789



16, 5.441, 109.789



16, 5.441, 239.789



16, 5.441, 289.789

Sweetspot

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



16, 5.441, 59.799



25, 1.857, 61.252



15, 8.453, 339.652



11, 1.290, 61.221



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 5.441, 59.799



21, 8.505, 59.214



18, 7.897, 102.511



7, 0.915, 60.621



21, 37.837, 52.749



52, 79.390, 51.764

Inverse Universe

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



16, 4.891, 244.895



21, 7.388, 245.952



14, 8.215, 287.872



7, 0.923, 243.432



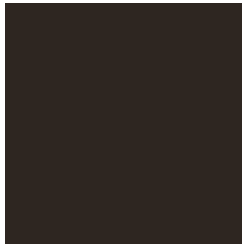
21, 24.633, 265.843



53, 50.468, 270.714

Previews

White Background



This preview shows how the CIELCh color 16, 5.441, 59.789 looks on a white background.

Color Contrast Check

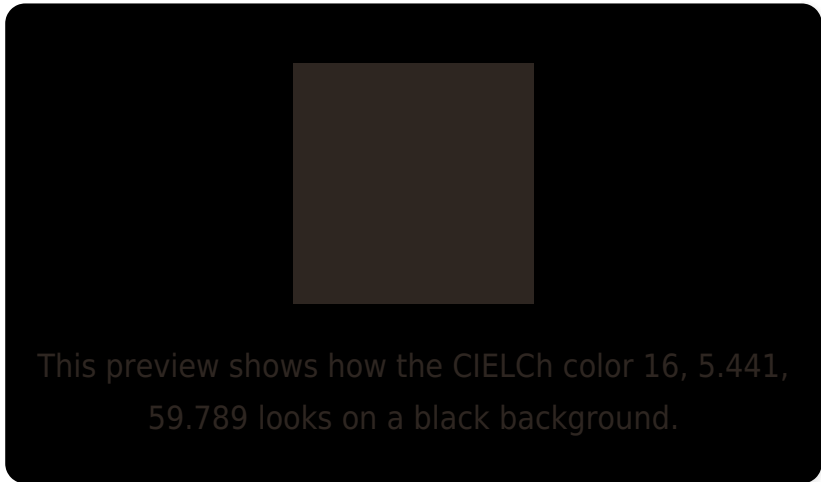
Large Text (above 18pt) WCAG AA ✓ Pass

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

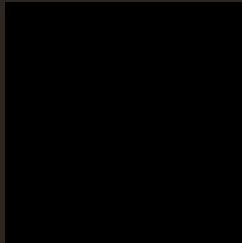
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 5.441, 59.789

Background



This preview shows how black text looks on a background with the CIELCh color 16, 5.441, 59.789.

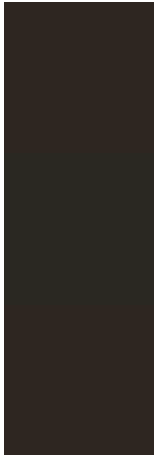


This preview shows how white text looks on a background with the CIELCh color 16, 5.441, 59.789.

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

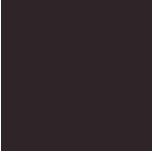
16, 5.441, 59.789

Protanopia

16, 4.300, 95.408

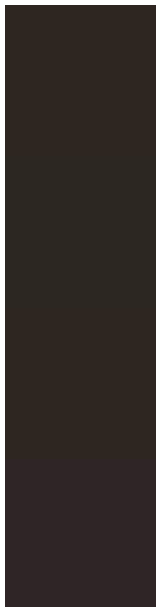
Deuteranopia

16, 5.441, 59.789



Tritanopia
16, 5.340, 357.685

Trichromacy



Original Color
16, 5.441, 59.789

Protanomaly
16, 4.331, 73.137

Deuteranomaly
16, 5.441, 59.789

Tritanomaly
16, 5.036, 12.691

Monochromacy



Original Color
16, 5.441, 59.789

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 1.629, 44.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 5.441, 59.789 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(46, 38, 33)` looks like.

```
.text, #text, p{  
  color:rgb(46, 38, 33)  
}
```

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(46, 38, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 38, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 5.441, 59.789 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(46, 38, 33) }
```

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

```
.border{ border-color:rgb(46, 38, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 38, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 38, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 38, 33);  
box-shadow:4px 4px 4px 4px rgb(46, 38, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 5.441, 59.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 38, 33) }
```

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

```
.background{ background-color: rgb(46, 38,  
33) }
```

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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