

Converting Colors

CIELCh(17, 4.421, 309.530)

Have a look what the booklet for
CIELCh(17, 4.421, 309.530) contains.

CIELCh(17, 4.421, 309.530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(17, 4.421, 309.530)

Conversions

Conversions Part 1

Format	Color
Hex	2C292F
RGB	44, 41, 47
RGB Percent	17%, 16%, 18%
CMY	0.8284, 0.8402, 0.8167
CMYK	0.06, 0.13, 0.00, 0.82
HSL	270°, 7%, 17%
HSV	270°, 13%, 18%
XYZ	2.3208, 2.3023, 2.9851
YIQ	42.5810, -0.1380, 2.5020

Conversions

Conversions Part 2

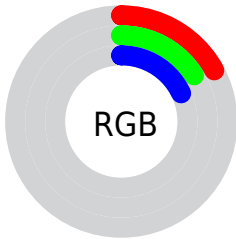
Format	Color
RYB	44, 41, 47
Decimal	2894127
CIELab	17.00, 2.81, -3.41
CIELCh	17, 4.421, 309.530
Yxy	2.3023, 0.3050, 0.3026
Android (android.graphics.Color)	4281084207 (0xFF2C292F)
YUV	42.5810, 2.1786, 1.2445
Hunter-Lab	15.1734, 0.7478, -1.0429

Details

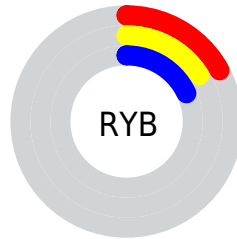
The CIELCh color **17, 4.421, 309.530** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 4.355, 128.609**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 4.524, 306.857**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 7.958, 309.933**, and if you desaturate by 10%, it is **19, 0.963, 309.120**.

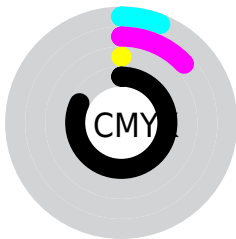
Distribution



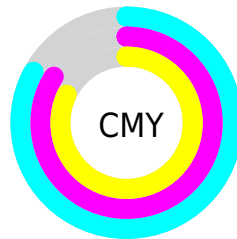
- Red (17%)
- Green (16%)
- Blue (18%)



- Red (17%)
- Yellow (16%)
- Blue (18%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (82%)



- Cyan (83%)
- Magenta (84%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 4.421, 309.530 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 17, 4.421, 309.530 by changing the saturation by 10% instead.

■ 17, 4.421, 309.530

■ 17, 4.421, 309.530

100, 4.421,
309.530

■ 7, 4.421, 309.530

■ 0, 4.421, 309.530

■ 37, 4.421, 309.530

■ 47, 4.421, 309.530

■ 57, 4.421, 309.530

■ 67, 4.421, 309.530

■ 77, 4.421, 309.530

■ 87, 4.421, 309.530

■ 97, 4.421, 309.530

■ 17, 4.421, 309.530

■ 17, 4.421, 309.530

■ 15, 7.958, 309.933

■ 19, 0.963, 309.120

■ 13, 11.568,
310.360

■ 21, 2.409, 128.841

■ 22, 5.695, 128.518

■ 12, 15.232,
310.803

■ 24, 8.896, 128.233

■ 10, 18.920,
311.250

■ 26, 12.014,
127.978

■ 8, 22.584, 311.682

■ 28, 15.052,
127.749

■ 7, 25.891, 311.788

■ 29, 18.013,
127.545

■ 6, 28.353, 311.206

■ 4, 30.535, 310.399

■ 31, 20.901,
127.364

■ 4, 31.997, 309.723

■ 33, 23.719,
127.204

Harmonies

Complementary

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



17, 4.421, 309.530



19, 4.355, 128.609

Rectangle

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



17, 4.421, 309.530



17, 4.421, 359.530



17, 4.421, 129.530



17, 4.421, 179.530

Sweetspot

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



17, 4.420, 309.528



25, 1.715, 309.186



18, 2.430, 255.007



11, 1.190, 309.196



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 4.420, 309.528



22, 6.510, 309.649



17, 5.018, 324.544



7, 1.715, 308.656



11, 56.414, 312.768



34, 109.517, 311.784

Inverse Universe

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



17, 3.557, 344.487



23, 5.236, 344.718



19, 5.010, 143.407



7, 1.375, 344.188



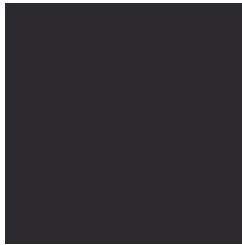
16, 38.930, 358.526



46, 74.246, 2.456

Previews

White Background



This preview shows how the CIELCh color 17, 4.421, 309.530 looks on a white background.

Color Contrast Check

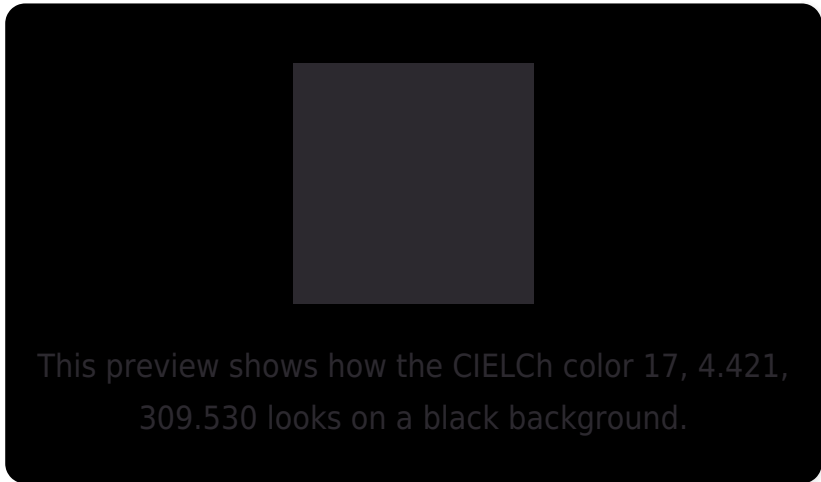
Large Text (above 18pt) WCAG AA ✓ Pass

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

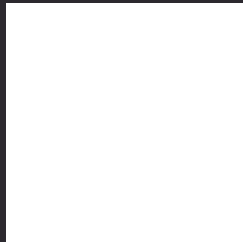
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 4.421, 309.530

Background



This preview shows how black text looks on a background with the CIELCh color 17, 4.421, 309.530.



This preview shows how white text looks on a background with the CIELCh color 17, 4.421, 309.530.

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


17, 4.421, 309.530

Protanopia

17, 3.498, 283.579

Deuteranopia

17, 4.421, 309.530



Tritanopia
17, 2.306, 314.870

Trichromacy



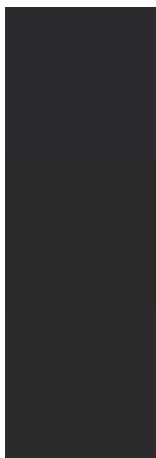
Original Color
17, 4.421, 309.530

Protanomaly
17, 3.476, 291.078

Deuteranomaly
17, 4.421, 309.530

Tritanomaly
17, 2.954, 309.374

Monochromacy



Original Color
17, 4.421, 309.530

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 1.476, 309.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 4.421, 309.530 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, 41, 47)` looks like.

```
.text, #text, p{  
    color:rgb(44, 41, 47)  
}
```

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, 41, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 41, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 4.421, 309.530 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, 41, 47) }
```

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

```
.border{ border-color:rgb(44, 41, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 41, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 41, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 41, 47);  
box-shadow:4px 4px 4px 4px rgb(44, 41, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 4.421, 309.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 41, 47) }
```

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

```
.background{ background-color: rgb(44, 41,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor