

Converting Colors

CIELCh(17, 11.338, 301.677)

Have a look what the booklet for
CIELCh(17, 11.338, 301.677)
contains.

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Color

CIELCh(17, 11.309, 301.668)

Conversions

Conversions Part 1

Format	Color
Hex	2C2838
RGB	44, 40, 56
RGB Percent	17%, 16%, 22%
CMY	0.8289, 0.8446, 0.7819
CMYK	0.22, 0.29, 0.00, 0.78
HSL	255°, 17%, 19%
HSV	255°, 29%, 22%
XYZ	2.4739, 2.3023, 4.0065
YIQ	43.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

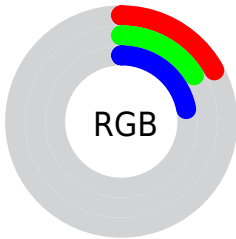
Format	Color
RYB	44, 40, 56
Decimal	2893880
CIELab	17.00, 5.94, -9.63
CIELCh	17, 11.309, 301.668
Yxy	2.3023, 0.2817, 0.2621
Android (android.graphics.Color)	4281083960 (0xFF2C2838)
YUV	43.0200, 6.3991, 0.8595
Hunter-Lab	15.1734, 2.5496, -5.0338

Details

The CIELCh color **17, 11.309, 301.668** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 10.748, 118.362**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 11.349, 302.025**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 15.481, 302.427**, and if you desaturate by 10%, it is **19, 7.258, 300.983**.

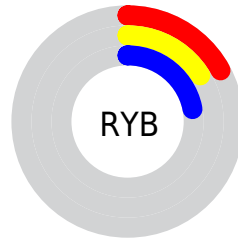
Distribution



Red (17%)

Green (16%)

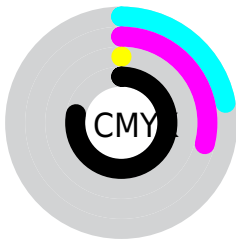
Blue (22%)



Red (17%)

Yellow (16%)

Blue (22%)

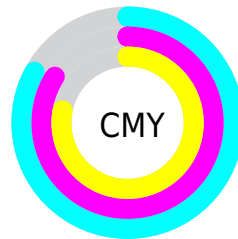


Cyan (22%)

Magenta (29%)

Yellow (0%)

Black (78%)



Cyan (83%)

Magenta (84%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 11.309, 301.668 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, 11.309, 301.668 by changing the saturation by 10% instead.

■ 17, 11.309,
301.668

■ 17, 11.309,
301.668

■ 100, 11.309,
301.668

■ 7, 11.309, 301.668

■ 37, 11.309,
301.668

■ 0, 11.309, 301.668

■ 47, 11.309,
301.668

■ 57, 11.309,
301.668

■ 67, 11.309,
301.668

■ 77, 11.309,
301.668

■ 87, 11.309,

301.668

97, 11.309,
301.668

17, 11.309,
301.668

17, 11.309,
301.668

15, 15.481,
302.427

19, 7.258, 300.983

13, 19.765,
303.258

21, 3.331, 300.371

10, 24.131,
304.150

24, 0.473, 119.859

8, 28.521, 305.076

26, 4.159, 119.358

7, 32.417, 305.529

28, 7.734, 118.935

5, 35.274, 305.119

30, 11.202,
118.563

■ 4, 37.860, 304.551

■ 32, 14.570,
118.237

■ 3, 38.174, 304.472

■ 34, 17.843,
117.950

■ 37, 21.026,
117.699

Harmonies

Complementary

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



17, 11.309, 301.668



23, 10.748, 118.362

Rectangle

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



17, 11.309, 301.668



17, 11.309, 351.668



17, 11.309, 121.668



17, 11.309, 171.668

Sweetspot

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



17, 11.308, 301.667



28, 4.237, 300.411



21, 5.727, 224.861



12, 2.887, 300.439



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



17, 11.308, 301.667



21, 16.669, 302.180



18, 12.253, 317.826



9, 2.128, 300.349



9, 61.563, 308.323



29, 116.960, 307.644

Inverse Universe

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



18, 11.059, 333.964



23, 16.120, 334.390



22, 12.060, 135.614



9, 2.130, 332.747



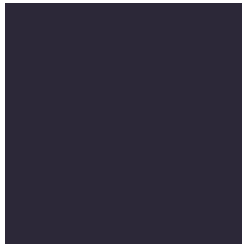
19, 45.796, 340.239



49, 85.026, 341.530

Previews

White Background



This preview shows how the CIELCh color 17, 11.309, 301.668 looks on a white background.

Color Contrast Check

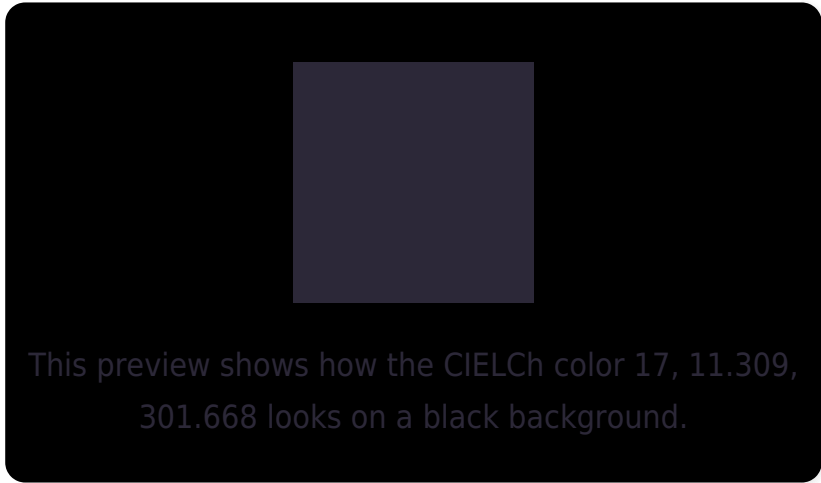
Large Text (above 18pt) WCAG AA ✓ Pass

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

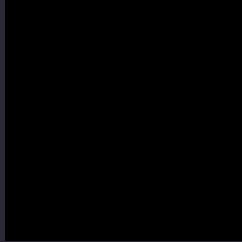
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 11.309, 301.668

Background



This preview shows how black text looks on a background with the CIELCh color 17, 11.309, 301.668.



This preview shows how white text looks on a background with the CIELCh color 17, 11.309, 301.668.

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

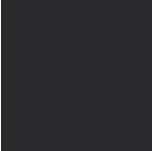
17, 11.309, 301.668

Protanopia

17, 11.215, 284.650

Deuteranopia

17, 9.766, 287.726



Tritanopia
17, 2.087, 290.728

Trichromacy



Original Color
17, 11.309, 301.668

Protanomaly
17, 10.456, 288.263

Deuteranomaly
17, 9.746, 292.652

Tritanomaly
17, 5.661, 300.813

Monochromacy



Original Color
17, 11.309, 301.668

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.201, 297.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 11.309, 301.668 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, 40, 56)` looks like.

```
.text, #text, p{  
    color:rgb(44, 40, 56)  
}
```

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, 40, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 40, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 11.309, 301.668 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, 40, 56) }
```

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

```
.border{ border-color:rgb(44, 40, 56) }
```

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

Here you see how a box with a 4 pixel rgb(44, 40, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 40, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 40, 56);  
box-shadow:4px 4px 4px 4px rgb(44, 40, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 11.309, 301.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 40, 56) }
```

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

```
.background{ background-color: rgb(44, 40,  
56) }
```

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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