Converting Colors

CIELCh(16, 2.697, 68.459)

Have a look what the booklet for CIELCh(16, 2.697, 68.459) contains.

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Color

CIELCh(16, 2.899, 65.835)

Conversions

Conversions Part 1

Format	Color
Hex	2B2724
RGB	43, 39, 36
RGB Percent	17%, 15%, 14%
CMY	0.8311, 0.8467, 0.8585
CMYK	0.00, 0.09, 0.16, 0.83
HSL	26°, 9%, 16%
HSV	26°, 16%, 17%
XYZ	2.0473, 2.0993, 1.9726
YIQ	39.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

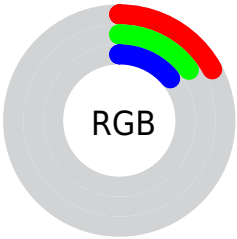
Format	Color
RYB	43, 41, 36
Decimal	2828068
CIELab	16.00, 1.19, 2.64
CIELCh	16, 2.899, 65.835
Yxy	2.0993, 0.3346, 0.3431
Android (android.graphics.Color)	4281018148 (0xFF2B2724)
YUV	39.8540, -1.9000, 2.7590
Hunter-Lab	14.4890, -0.1339, 2.0704

Details

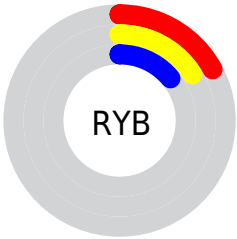
The CIELCh color 16, 2.899, 65.835 is a dark color, and the websafe version is hex 333333. A complement of this color would be 16, 2.764, 248.982, and the grayscale version is 16, 0.003, 296.813.

A 20% lighter version of the original color is 36, 3.022, 74.338, and 0, 0.000, 0.000 is the 20% darker color. If you saturate the color by 10%, you get 15, 4.795, 64.995, and if you desaturate by 10%, it is 17, 1.089, 66.646.

Distribution

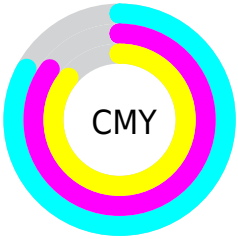


- Red (17%)
- Green (15%)
- Blue (14%)



- Red (17%)
- Yellow (16%)
- Blue (14%)

- Cyan (0%)
- Magenta (9%)
- Yellow (16%)
- Black (83%)



- Cyan (83%)
- Magenta (85%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 2.899, 65.835 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, 2.899, 65.835 by changing the saturation by 10% instead.

16, 2.899, 65.835

16, 2.899, 65.835

100, 2.899, 65.835

6, 2.899, 65.835

36, 2.899, 65.835

0, 2.899, 65.835

46, 2.899, 65.835

56, 2.899, 65.835

66, 2.899, 65.835

76, 2.899, 65.835

86, 2.899, 65.835

96, 2.899, 65.835

16, 2.899, 65.835

16, 2.899, 65.835

15, 4.795, 64.995

14, 6.783, 64.136

13, 8.867, 63.287

12, 10.929, 62.126

11, 12.641, 59.957

11, 14.035, 57.024

10, 15.297, 54.017

9, 16.589, 51.571

9, 17.078, 50.783

17, 1.089, 66.646

18, 0.642, 247.886

19, 2.300, 248.588

20, 3.893, 249.416

21, 5.426, 250.243

22, 6.906, 251.055

23, 8.337, 251.849

24, 9.725, 252.620

25, 11.075, 253.367

Harmonies

Complementary

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

16, 2.899, 65.835

16, 2.764, 248.982

Rectangle

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

16, 2.899, 65.835

16, 2.899, 115.835

16, 2.899, 245.835

16, 2.899, 295.835

Sweetspot

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

16, 2.899, 65.852

23, 1.086, 66.705

15, 4.464, 340.410

10, 0.721, 66.705

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, 2.899, 65.852

21, 4.511, 65.429

17, 4.443, 105.245

6, 0.748, 65.980

21, 36.272, 56.242

53, 76.796, 54.743

Inverse Universe

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

16, 2.764, 248.982

21, 4.230, 249.541

15, 4.554, 288.076

6, 0.758, 248.663

19, 26.059, 271.699

50, 54.705, 276.611

Previews

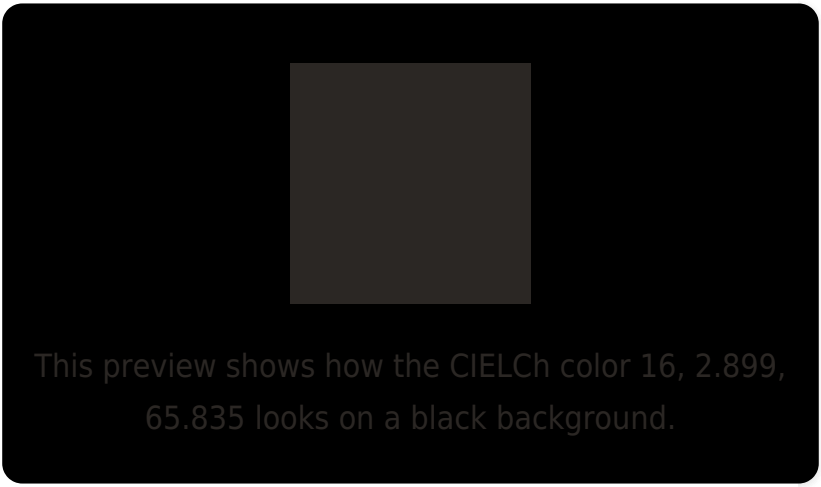
White Background

This preview shows how the CIELCh color 16, 2.899, 65.835 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

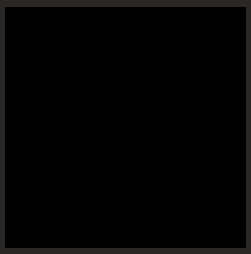


Color Contrast Check

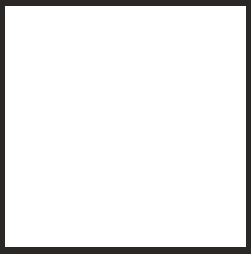
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 16, 2.899, 65.835 Background



This preview shows how black text looks on a background with the CIELCh color 16, 2.899, 65.835.



This preview shows how white text looks on a background with the CIELCh color 16, 2.899, 65.835.

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, 2.899, 65.835

Protanopia
16, 2.831, 99.289

Deuteranopia
16, 3.802, 41.605

Tritanopia
16, 3.596, 344.539

Trichromacy

Original Color
16, 2.899, 65.835

Protanomaly
16, 2.958, 89.678

Deuteranomaly
16, 3.329, 44.766

Tritanomaly
16, 3.033, 6.787

Monochromacy

Original Color
16, 2.899, 65.835

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, 2.899, 65.835 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(43, 39, 36) looks like.

```
.text, #text, p{
    color:rgb(43, 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(43, 39, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 39, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 2.899, 65.835 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(43, 39, 36) }
```

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

```
.border{ border-color:rgb(43, 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(43, 39, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(43, 39, 36); -webkit-box-shadow:4px 4px 4px 4px rgb(43, 39, 36); box-shadow:4px 4px 4px 4px rgb(43, 39, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 2.899, 65.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(43, 39, 36) }
```

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

```
.background{ background-color:rgb(43, 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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