

Converting Colors

CIELCh(36, 27.651, 71.843)

Have a look what the booklet for
CIELCh(36, 27.651, 71.843) contains.

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Color

CIELCh(36, 28.015, 72.281)

Conversions

Conversions Part 1

Format	Color
Hex	6E4F2A
RGB	110, 79, 42
RGB Percent	43%, 31%, 16%
CMY	0.5699, 0.6913, 0.8364
CMYK	0.00, 0.28, 0.62, 0.57
HSL	33°, 45%, 30%
HSV	33°, 62%, 43%
XYZ	9.5767, 9.0082, 3.3982
YIQ	84.0510, 30.3530, -4.9350

Conversions

Conversions Part 2

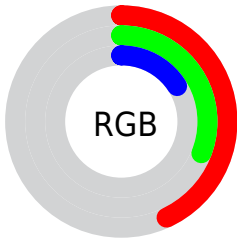
Format	Color
RYB	99, 110, 42
Decimal	7229226
CIELab	36.00, 8.53, 26.69
CIELCh	36, 28.015, 72.281
Yxy	9.0082, 0.4356, 0.4098
Android (android.graphics.Color)	4285419306 (0xFF6E4F2A)
YUV	84.0510, -20.7311, 22.7573
Hunter-Lab	30.0136, 4.4320, 14.2965

Details

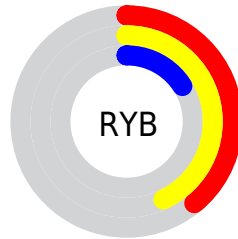
The CIELCh color **36, 28.015, 72.281** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **30, 24.875, 272.194**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 27.835, 71.803**, and **16, 25.545, 70.125** is the 20% darker color. If you saturate the color by 10%, you get **34, 32.847, 70.882**, and if you desaturate by 10%, it is **38, 23.154, 73.613**.

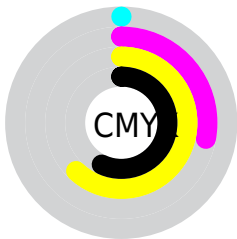
Distribution



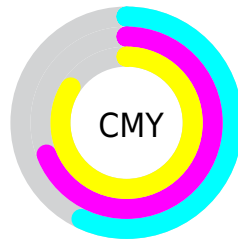
- Red (43%)
- Green (31%)
- Blue (16%)



- Red (39%)
- Yellow (43%)
- Blue (16%)



- Cyan (0%)
- Magenta (28%)
- Yellow (62%)
- Black (57%)



- Cyan (57%)
- Magenta (69%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 28.015, 72.281 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 36, 28.015, 72.281 by changing the saturation by 10% instead.

■ 36, 28.015, 72.281

■ 36, 28.015, 72.281

■ 100, 28.015,
72.281

■ 26, 28.015, 72.281

■ 56, 28.015, 72.281

■ 16, 28.015, 72.281

■ 66, 28.015, 72.281

■ 6, 28.015, 72.281

■ 76, 28.015, 72.281

■ 0, 28.015, 72.281

■ 86, 28.015, 72.281

■ 96, 28.015, 72.281

■ 36, 28.015, 72.281

■ 36, 28.015, 72.281

■ 34, 32.847, 70.882

■ 38, 23.154, 73.613

■ 33, 37.429, 69.320

■ 39, 18.379, 74.901

■ 32, 41.387, 67.445

■ 41, 13.743, 76.164

■ 31, 44.704, 66.183

■ 42, 9.267, 77.401

■ 44, 4.952, 78.601

■ 46, 0.792, 79.563

■ 48, 3.224, 261.058

■ 50, 7.110, 262.140

■ 51, 10.877,
263.207

Harmonies

Complementary

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



36, 28.015, 72.281



30, 24.875, 272.194

Rectangle

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



36, 28.015, 72.281



36, 28.015, 122.281



36, 28.015, 252.281



36, 28.015, 302.281

Sweetspot

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



36, 28.015, 72.285



55, 9.911, 77.698



28, 34.028, 352.622



28, 6.802, 77.434



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 28.015, 72.285



44, 42.012, 70.277



45, 38.222, 106.361



23, 2.360, 78.939



34, 47.768, 65.852



67, 82.191, 63.643

Inverse Universe

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



30, 24.875, 272.194



36, 36.810, 276.837



21, 45.394, 299.991



22, 2.328, 261.246



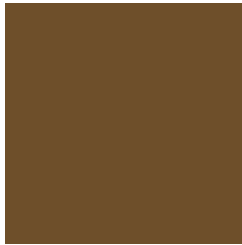
24, 43.364, 286.365



50, 78.473, 288.944

Previews

White Background



This preview shows how the CIELCh color 36, 28.015, 72.281 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



This preview shows how the CIE LCh color 36, 28.015, 72.281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

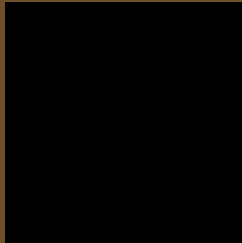
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 28.015, 72.281

Background



This preview shows how black text looks on a background with the CIELCh color 36, 28.015, 72.281.



This preview shows how white text looks on a background with the CIELCh color 36, 28.015, 72.281.

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

36, 28.015, 72.281

Protanopia

36, 25.213, 95.818

Deuteranopia

36, 27.479, 79.856



Tritanopia
36, 17.810, 10.505

Trichromacy



Original Color
36, 28.015, 72.281

Protanomaly
36, 25.867, 86.866

Deuteranomaly
36, 27.798, 76.679

Tritanomaly
36, 18.390, 41.068

Monochromacy



Original Color
36, 28.015, 72.281

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 9.550, 76.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 28.015, 72.281 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(110, 79, 42)` looks like.

```
.text, #text, p{  
    color:rgb(110, 79, 42)  
}
```

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(110, 79, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 79, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 28.015, 72.281 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(110, 79, 42) }
```

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

```
.border{ border-color:rgb(110, 79, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 79, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 79, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 79, 42);  
box-shadow:4px 4px 4px 4px rgb(110, 79,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 28.015, 72.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 79, 42) }
```

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

```
.background{ background-color: rgb(110, 79,  
42) }
```

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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