

Converting Colors

CIELCh(28, 34.117, 26.695)

Have a look what the booklet for
CIELCh(28, 34.117, 26.695) contains.

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Color

CIELCh(28, 34.269, 26.962)

Conversions

Conversions Part 1

Format	Color
Hex	712C2C
RGB	113, 44, 44
RGB Percent	44%, 17%, 17%
CMY	0.5579, 0.8283, 0.8283
CMYK	0.00, 0.61, 0.61, 0.56
HSL	360°, 44%, 31%
HSV	360°, 61%, 44%
XYZ	8.1185, 5.4574, 2.9878
YIQ	64.6310, 41.1240, 14.6280

Conversions

Conversions Part 2

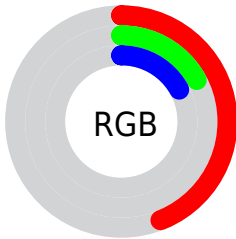
Format	Color
R_{YB}	113, 44, 44
Decimal	7416876
CIE Lab	28.00, 30.54, 15.54
CIE LCh	28, 34.269, 26.962
Yxy	5.4574, 0.4901, 0.3295
Android (android.graphics.Color)	4285606956 (0xFF712C2C)
YUV	64.6310, -10.1711, 42.4196
Hunter-Lab	23.3610, 21.1512, 8.7697

Details

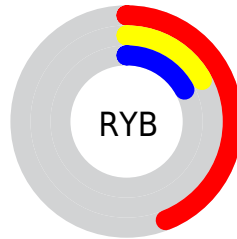
The CIELCh color **28, 34.269, 26.962** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **43, 22.243, 196.905**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 34.430, 27.770**, and **9, 32.104, 26.054** is the 20% darker color. If you saturate the color by 10%, you get **26, 40.538, 29.656**, and if you desaturate by 10%, it is **31, 27.981, 24.815**.

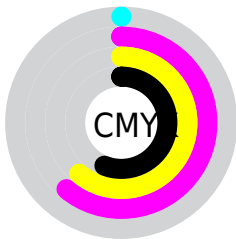
Distribution



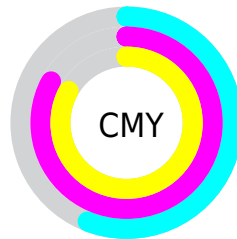
- Red (44%)
- Green (17%)
- Blue (17%)



- Red (44%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (61%)
- Yellow (61%)
- Black (56%)



- Cyan (56%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 34.269, 26.962 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 28, 34.269, 26.962 by changing the saturation by 10% instead.

■ 28, 34.269, 26.962

■ 28, 34.269, 26.962

■ 100, 34.269,
26.962

■ 18, 34.269, 26.962

■ 48, 34.269, 26.962

■ 8, 34.269, 26.962

■ 58, 34.269, 26.962

■ 0, 34.269, 26.962

■ 68, 34.269, 26.962

■ 78, 34.269, 26.962

■ 88, 34.269, 26.962

■ 98, 34.269, 26.962

■ 28, 34.269, 26.962

■ 28, 34.269, 26.962

■ 26, 40.538, 29.656

■ 31, 27.981, 24.815

■ 24, 46.560, 32.856

■ 34, 21.851, 23.136

■ 23, 51.570, 35.674

■ 37, 15.994, 21.833

■ 22, 55.048, 37.149

■ 40, 10.477, 20.816

■ 44, 5.327, 19.998

■ 47, 0.539, 18.777

■ 51, 3.905, 199.054

■ 54, 8.034, 198.615

■ 58, 11.880,
198.283

Harmonies

Complementary

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



28, 34.269, 26.962



43, 22.243, 196.905

Rectangle

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



28, 34.269, 26.962



28, 34.269, 76.962



28, 34.269, 206.962



28, 34.269, 256.962

Sweetspot

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



28, 34.267, 26.965



53, 10.860, 20.578



30, 47.700, 326.854



26, 7.672, 20.782



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



28, 34.267, 26.965



33, 51.406, 30.785



36, 27.880, 66.493



22, 2.649, 19.834



24, 57.993, 37.778



52, 102.178, 39.992

Inverse Universe

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



28, 34.267, 26.965



33, 51.406, 30.785



33, 23.089, 265.442



22, 2.649, 19.834



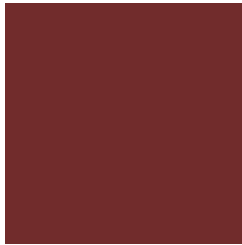
24, 57.993, 37.778



52, 102.178, 39.992

Previews

White Background



This preview shows how the CIELCh color 28, 34.269, 26.962 looks on a white background.

Color Contrast Check

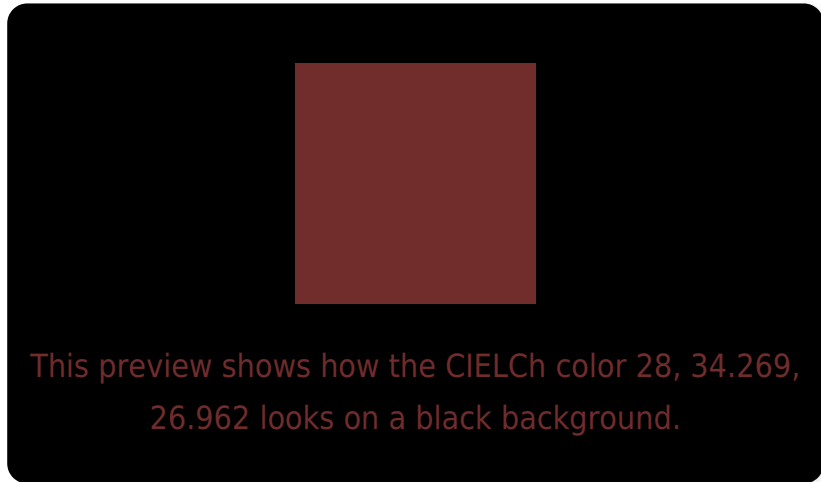
Large Text (above 18pt) WCAG AA ✓ Pass

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

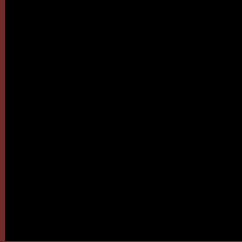
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 34.269, 26.962

Background



This preview shows how black text looks on a background with the CIELCh color 28, 34.269, 26.962.

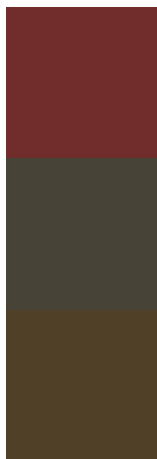


This preview shows how white text looks on a background with the CIELCh color 28, 34.269, 26.962.

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

28, 34.269, 26.962

Protanopia

28, 8.559, 95.661

Deuteranopia

28, 17.831, 77.928



Tritanopia
28, 34.235, 24.173

Trichromacy



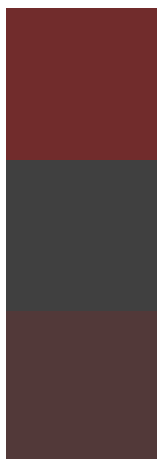
Original Color
28, 34.269, 26.962

Protanomaly
28, 14.793, 44.283

Deuteranomaly
28, 21.720, 49.756

Tritanomaly
28, 34.421, 25.188

Monochromacy



Original Color
28, 34.269, 26.962

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 11.948, 21.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 34.269, 26.962 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(113, 44, 44)` looks like.

```
.text, #text, p{  
    color:rgb(113, 44, 44)  
}
```

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(113, 44, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 44, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 34.269, 26.962 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(113, 44, 44) }
```

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

```
.border{ border-color:rgb(113, 44, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 44, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 44, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 44, 44);  
box-shadow:4px 4px 4px 4px rgb(113, 44,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 34.269, 26.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 44, 44) }
```

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

```
.background{ background-color: rgb(113, 44,  
44) }
```

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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