

Converting Colors

CIELCh(29, 34.889, 27.032)

Have a look what the booklet for
CIELCh(29, 34.889, 27.032) contains.

CIELCh(29, 34.778, 27.811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(29, 34.778, 27.811)

Conversions

Conversions Part 1

Format	Color
Hex	742E2D
RGB	116, 46, 45
RGB Percent	45%, 18%, 18%
CMY	0.5456, 0.8200, 0.8239
CMYK	0.00, 0.60, 0.61, 0.55
HSL	1°, 44%, 32%
HSV	1°, 61%, 45%
XYZ	8.6296, 5.8380, 3.1444
YIQ	66.8160, 42.0410, 14.5290

Conversions

Conversions Part 2

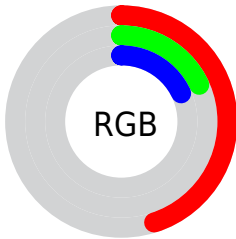
Format	Color
R _Y B	116, 46, 45
Decimal	7613997
CIE Lab	29.00, 30.76, 16.23
CIE LCh	29, 34.778, 27.811
Yxy	5.8380, 0.4900, 0.3315
Android (android.graphics.Color)	4285804077 (0xFF742E2D)
YUV	66.8160, -10.7553, 43.1344
Hunter-Lab	24.1619, 21.4691, 9.1975

Details

The CIELCh color **29, 34.778, 27.811** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **44, 22.390, 198.502**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 34.743, 27.700**, and **9, 33.023, 26.881** is the 20% darker color. If you saturate the color by 10%, you get **27, 41.200, 30.393**, and if you desaturate by 10%, it is **32, 28.365, 25.752**.

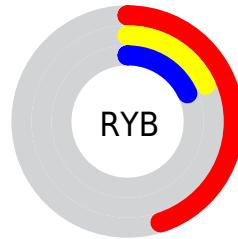
Distribution



Red (45%)

Green (18%)

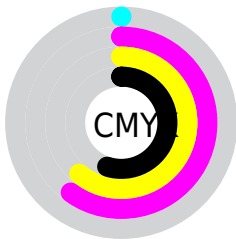
Blue (18%)



Red (45%)

Yellow (18%)

Blue (18%)

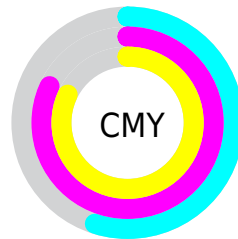


Cyan (0%)

Magenta (60%)

Yellow (61%)

Black (55%)



Cyan (55%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 34.778, 27.811 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 29, 34.778, 27.811 by changing the saturation by 10% instead.

■ 29, 34.778, 27.811

■ 29, 34.778, 27.811

■ 100, 34.778,
27.811

■ 19, 34.778, 27.811

■ 49, 34.778, 27.811

■ 9, 34.778, 27.811

■ 59, 34.778, 27.811

■ 0, 34.778, 27.811

■ 69, 34.778, 27.811

■ 79, 34.778, 27.811

■ 89, 34.778, 27.811

■ 99, 34.778, 27.811

■ 29, 34.778, 27.811

■ 29, 34.778, 27.811

27, 41.200, 30.393

32, 28.365, 25.752

25, 47.397, 33.449

35, 22.135, 24.144

24, 52.646, 36.211

38, 16.199, 22.900

23, 56.159, 37.774

41, 10.617, 21.933

45, 5.413, 21.161

48, 0.580, 20.016

52, 3.903, 200.301

56, 8.066, 199.897

59, 11.942,
199.600

Harmonies

Complementary

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



29, 34.778, 27.811



44, 22.390, 198.502

Rectangle

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



29, 34.778, 27.811



29, 34.778, 77.811



29, 34.778, 207.811



29, 34.778, 257.811

Sweetspot

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



29, 34.776, 27.814



54, 11.022, 21.702



31, 48.925, 327.378



27, 7.788, 21.898



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



29, 34.776, 27.814



34, 53.286, 31.759



37, 28.645, 68.081



23, 2.712, 21.005



24, 58.843, 38.285



52, 102.817, 40.101

Inverse Universe

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



44, 22.390, 198.502



56, 30.417, 198.368



33, 24.180, 267.416



24, 2.569, 200.248



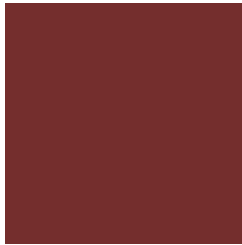
46, 28.558, 198.502



88, 48.366, 198.622

Previews

White Background



This preview shows how the CIE LCh color 29, 34.778, 27.811 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 CIELCh color 29, 34.778, 27.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

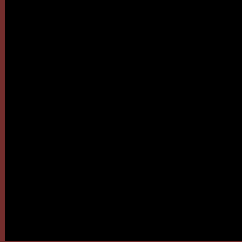
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 34.778, 27.811

Background



This preview shows how black text looks on a background with the CIELCh color 29, 34.778, 27.811.

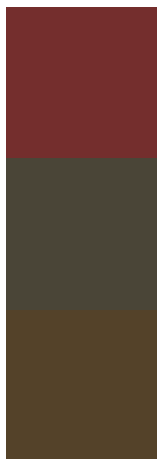


This preview shows how white text looks on a background with the CIELCh color 29, 34.778, 27.811.

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

29, 34.778, 27.811

Protanopia

29, 9.253, 93.531

Deuteranopia

29, 18.565, 77.451



Tritanopia
29, 34.539, 24.072

Trichromacy



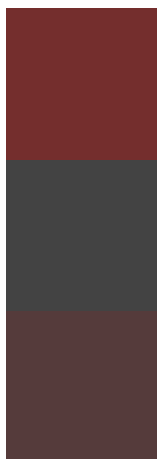
Original Color
29, 34.778, 27.811

Protanomaly
29, 15.492, 45.601

Deuteranomaly
29, 22.422, 50.426

Tritanomaly
29, 34.721, 25.074

Monochromacy



Original Color
29, 34.778, 27.811

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 12.360, 21.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 34.778, 27.811 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(116, 46, 45)` looks like.

```
.text, #text, p{  
    color:rgb(116, 46, 45)  
}
```

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(116, 46, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 46, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 34.778, 27.811 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(116, 46, 45) }
```

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

```
.border{ border-color:rgb(116, 46, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 46, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 46, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 46, 45);  
box-shadow:4px 4px 4px 4px rgb(116, 46,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 34.778, 27.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 46, 45) }
```

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

```
.background{ background-color: rgb(116, 46,  
45) }
```

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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