

Converting Colors

CIELCh(36, 27.010, 61.828)

Have a look what the booklet for
CIELCh(36, 27.010, 61.828) contains.

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Color

CIELCh(36, 26.790, 61.785)

Conversions

Conversions Part 1

Format	Color
Hex	724C2F
RGB	114, 76, 47
RGB Percent	45%, 30%, 18%
CMY	0.5518, 0.7009, 0.8147
CMYK	0.00, 0.33, 0.59, 0.55
HSL	26°, 42%, 32%
HSV	26°, 59%, 45%
XYZ	10.0970, 9.0082, 3.9215
YIQ	84.0560, 31.9570, -0.9630

Conversions

Conversions Part 2

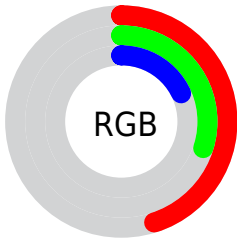
Format	Color
R_{YB}	114, 98, 47
Decimal	7490607
CIE _{Lab}	36.00, 12.67, 23.61
CIE _{LCh}	36, 26.790, 61.785
Yxy	9.0082, 0.4385, 0.3912
Android (android.graphics.Color)	4285680687 (0xFF724C2F)
YUV	84.0560, -18.2686, 26.2609
Hunter-Lab	30.0136, 7.5264, 13.2628

Details

The CIELCh color **36, 26.790, 61.785** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **35, 21.101, 258.517**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 26.579, 61.623**, and **16, 26.664, 62.576** is the 20% darker color. If you saturate the color by 10%, you get **34, 32.108, 60.792**, and if you desaturate by 10%, it is **38, 21.635, 62.776**.

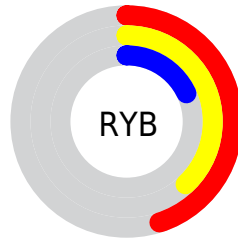
Distribution



Red (45%)

Green (30%)

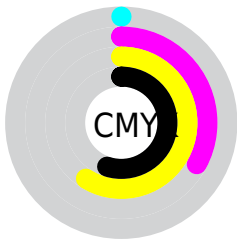
Blue (18%)



Red (45%)

Yellow (38%)

Blue (18%)

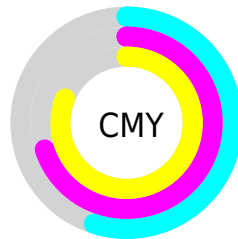


Cyan (0%)

Magenta (33%)

Yellow (59%)

Black (55%)



Cyan (55%)

Magenta (70%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 26.790, 61.785 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, 26.790, 61.785 by changing the saturation by 10% instead.

■ 36, 26.790, 61.785

■ 36, 26.790, 61.785

■ 100, 26.790,
61.785

■ 26, 26.790, 61.785

■ 56, 26.790, 61.785

■ 16, 26.790, 61.785

■ 66, 26.790, 61.785

■ 6, 26.790, 61.785

■ 76, 26.790, 61.785

■ 0, 26.790, 61.785

■ 86, 26.790, 61.785

■ 96, 26.790, 61.785

■ 36, 26.790, 61.785

■ 36, 26.790, 61.785

■ 34, 32.108, 60.792

■ 38, 21.635, 62.776

■ 32, 37.433, 59.713

■ 40, 16.713, 63.777

■ 31, 42.437, 58.389

■ 42, 12.044, 64.795

■ 29, 47.099, 57.019

■ 44, 7.626, 65.822

■ 29, 47.731, 56.878

■ 46, 3.443, 66.825

■ 48, 0.523, 248.484

■ 51, 4.293, 249.049

■ 53, 7.890, 250.033

■ 55, 11.332,
251.012

Harmonies

Complementary

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



36, 26.790, 61.785



35, 21.101, 258.517

Rectangle

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



36, 26.790, 61.785



36, 26.790, 111.785



36, 26.790, 241.785



36, 26.790, 291.785

Sweetspot

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



36, 26.789, 61.789



56, 9.080, 65.843



30, 35.632, 344.892



28, 6.309, 65.607



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



36, 26.789, 61.789



44, 40.690, 60.470



45, 35.144, 100.797



22, 2.203, 66.795



30, 49.626, 56.803



62, 86.417, 54.669

Inverse Universe

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



35, 21.101, 258.517



42, 30.330, 262.783



25, 40.303, 295.597



22, 2.141, 248.897



28, 34.886, 274.613



58, 62.551, 277.598

Previews

White Background



This preview shows how the CIELCh color 36, 26.790, 61.785 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, 26.790, 61.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

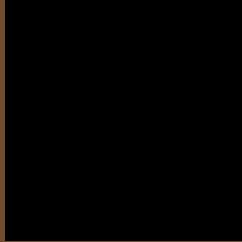
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 26.790, 61.785

Background



This preview shows how black text looks on a background with the CIELCh color 36, 26.790, 61.785.



This preview shows how white text looks on a background with the CIELCh color 36, 26.790, 61.785.

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, 26.790, 61.785

Protanopia

36, 21.692, 96.223

Deuteranopia

36, 24.576, 78.664



Tritanopia
36, 20.082, 14.063

Trichromacy



Original Color
36, 26.790, 61.785

Protanomaly
36, 22.473, 82.032

Deuteranomaly
36, 25.365, 71.752

Tritanomaly
36, 20.523, 34.288

Monochromacy



Original Color
36, 26.790, 61.785

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 8.976, 63.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 26.790, 61.785 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(114, 76, 47)` looks like.

```
.text, #text, p{  
    color:rgb(114, 76, 47)  
}
```

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(114, 76, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 76, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 26.790, 61.785 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(114, 76, 47) }
```

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

```
.border{ border-color:rgb(114, 76, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 76, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 76, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 76, 47);  
box-shadow:4px 4px 4px 4px rgb(114, 76,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 26.790, 61.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 76, 47) }
```

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

```
.background{ background-color: rgb(114, 76,  
47) }
```

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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