

Converting Colors

CIE LCh(36, 22.803, 2.014)

Have a look what the booklet for
CIELCh(36, 22.803, 2.014) contains.

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Color

CIELCh(36, 22.987, 1.722)

Conversions

Conversions Part 1

Format	Color
Hex	774654
RGB	119, 70, 84
RGB Percent	47%, 27%, 33%
CMY	0.5320, 0.7243, 0.6694
CMYK	0.00, 0.41, 0.29, 0.53
HSL	343°, 26%, 37%
HSV	343°, 41%, 47%
XYZ	11.4742, 9.0082, 9.5834
YIQ	86.2470, 24.7100, 14.7420

Conversions

Conversions Part 2

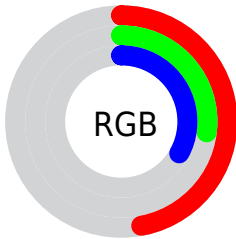
Format	Color
RYB	119, 70, 84
Decimal	7816788
CIELab	36.00, 22.98, 0.69
CIELCh	36, 22.987, 1.722
Yxy	9.0082, 0.3816, 0.2996
Android (android.graphics.Color)	4286006868 (0xFF774654)
YUV	86.2470, -1.1078, 28.7244
Hunter-Lab	30.0136, 15.7169, 2.0781

Details

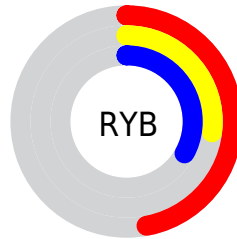
The CIELCh color **36, 22.987, 1.722** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **46, 20.301, 172.963**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 23.232, 2.314**, and **16, 22.841, 2.773** is the 20% darker color. If you saturate the color by 10%, you get **33, 28.710, 3.496**, and if you desaturate by 10%, it is **39, 17.194, 0.258**.

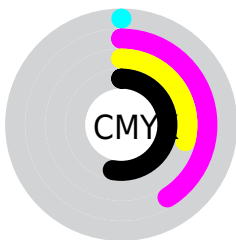
Distribution



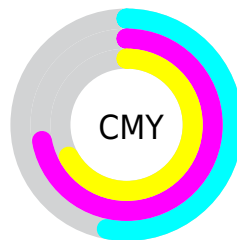
- Red (47%)
- Green (27%)
- Blue (33%)



- Red (47%)
- Yellow (27%)
- Blue (33%)



- Cyan (0%)
- Magenta (41%)
- Yellow (29%)
- Black (53%)




- Cyan (53%)
- Magenta (72%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 22.987, 1.722 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, 22.987, 1.722 by changing the saturation by 10% instead.

 36, 22.987, 1.722  36, 22.987, 1.722

 100, 22.987, 1.722  26, 22.987, 1.722

 56, 22.987, 1.722  16, 22.987, 1.722

 66, 22.987, 1.722  6, 22.987, 1.722

 76, 22.987, 1.722  0, 22.987, 1.722

 86, 22.987, 1.722

 96, 22.987, 1.722

 36, 22.987, 1.722  36, 22.987, 1.722

 33, 28.710, 3.496  39, 17.194, 0.258

 30, 34.175, 5.676  43, 11.476,



Harmonies

Complementary

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



36, 22.987, 1.722



46, 20.301, 172.963

Rectangle

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



36, 22.987, 1.722



36, 22.987, 51.722



36, 22.987, 181.722



36, 22.987, 231.722

Sweetspot

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



36, 22.985, 1.724



59, 7.980, 358.059



35, 32.967, 317.406



30, 5.345, 358.162



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



36, 22.985, 1.724



44, 34.210, 3.330



38, 19.597, 39.412



23, 2.951, 357.719



25, 50.691, 20.175



53, 87.597, 23.583

Inverse Universe

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



36, 22.985, 1.724



44, 34.210, 3.330



44, 14.769, 221.656



23, 2.951, 357.719



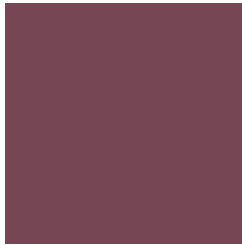
25, 50.691, 20.175



53, 87.597, 23.583

Previews

White Background



This preview shows how the CIE LCh color 36, 22.987, 1.722 looks on a white background.

Color Contrast Check

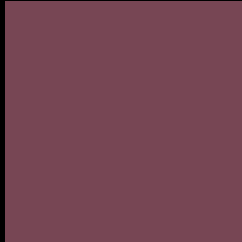
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.987, 1.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

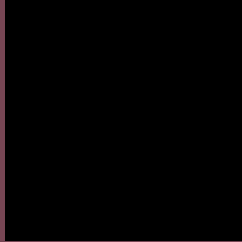
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 22.987, 1.722

Background



This preview shows how black text looks on a background with the CIELCh color 36, 22.987, 1.722.



This preview shows how white text looks on a background with the CIELCh color 36, 22.987, 1.722.

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, 22.987, 1.722

Protanopia

36, 4.974, 286.269

Deuteranopia

36, 5.266, 20.122



Tritanopia
36, 21.491, 14.924

Trichromacy



Original Color
36, 22.987, 1.722

Protanomaly
36, 9.547, 340.448

Deuteranomaly
36, 11.432, 5.609

Tritanomaly
36, 22.054, 8.883

Monochromacy



Original Color
36, 22.987, 1.722

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 8.407, 359.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 22.987, 1.722 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(119, 70, 84)` looks like.

```
.text, #text, p{  
    color:rgb(119, 70, 84)  
}
```

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(119, 70, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 70, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 22.987, 1.722 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(119, 70, 84) }
```

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

```
.border{ border-color:rgb(119, 70, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 70, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 70, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 70, 84);  
box-shadow:4px 4px 4px 4px rgb(119, 70,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 22.987, 1.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 70, 84) }
```

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

```
.background{ background-color: rgb(119, 70,  
84) }
```

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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