

Converting Colors

CIELCh(27, 27.766, 43.005)

Have a look what the booklet for
CIELCh(27, 27.766, 43.005) contains.

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Color

CIELCh(27, 27.837, 42.234)

Conversions

Conversions Part 1

Format	Color
Hex	633224
RGB	99, 50, 36
RGB Percent	39%, 20%, 14%
CMY	0.6108, 0.8031, 0.8581
CMYK	0.00, 0.49, 0.64, 0.61
HSL	13°, 47%, 27%
HSV	13°, 64%, 39%
XYZ	6.6428, 5.0937, 2.3176
YIQ	63.0550, 33.6980, 6.0340

Conversions

Conversions Part 2

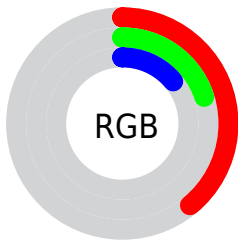
Format	Color
RYB	99, 54, 36
Decimal	6500900
CIELab	27.00, 20.61, 18.71
CIELCh	27, 27.837, 42.234
Yxy	5.0937, 0.4727, 0.3624
Android (android.graphics.Color)	4284690980 (0xFF633224)
YUV	63.0550, -13.3381, 31.5238
Hunter-Lab	22.5692, 13.0417, 9.7101

Details

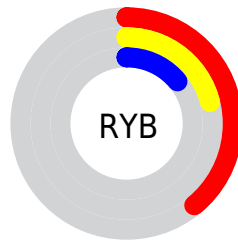
The CIELCh color **27, 27.837, 42.234** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **34, 17.626, 227.903**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 27.928, 41.681**, and **7, 23.796, 27.641** is the 20% darker color. If you saturate the color by 10%, you get **25, 33.258, 42.829**, and if you desaturate by 10%, it is **29, 22.633, 41.816**.

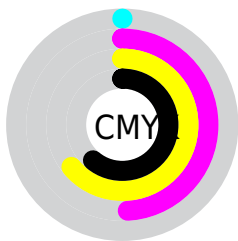
Distribution



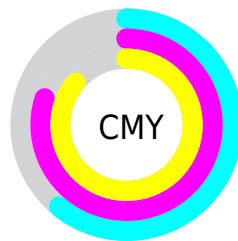
- Red (39%)
- Green (20%)
- Blue (14%)



- Red (39%)
- Yellow (21%)
- Blue (14%)



- Cyan (0%)
- Magenta (49%)
- Yellow (64%)
- Black (61%)



- Cyan (61%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 27.837, 42.234 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 27, 27.837, 42.234 by changing the saturation by 10% instead.

■ 27, 27.837, 42.234

■ 27, 27.837, 42.234

■ 100, 27.837,
42.234

■ 17, 27.837, 42.234

■ 47, 27.837, 42.234

■ 7, 27.837, 42.234

■ 57, 27.837, 42.234

■ 0, 27.837, 42.234

■ 67, 27.837, 42.234

■ 77, 27.837, 42.234

■ 87, 27.837, 42.234

■ 97, 27.837, 42.234

■ 27, 27.837, 42.234

■ 27, 27.837, 42.234

■ 25, 33.258, 42.829

■ 29, 22.633, 41.816

■ 23, 38.728, 43.511

■ 31, 17.723, 41.573

■ 22, 43.275, 43.231

■ 34, 13.134, 41.490

■ 21, 45.873, 43.116

■ 36, 8.866, 41.538

■ 39, 4.906, 41.677

■ 41, 1.232, 41.732

■ 44, 2.182, 222.457

■ 46, 5.363, 222.731

■ 49, 8.336, 223.104

Harmonies

Complementary

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



27, 27.837, 42.234



34, 17.626, 227.903

Rectangle

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



27, 27.837, 42.234



27, 27.837, 92.234



27, 27.837, 222.234



27, 27.837, 272.234

Sweetspot

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



27, 27.836, 42.238



48, 8.806, 41.585



26, 38.504, 335.267



24, 6.157, 41.558



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



27, 27.836, 42.238



33, 43.490, 43.153



35, 28.881, 87.178



19, 1.959, 41.749



24, 51.291, 43.830



53, 94.310, 43.803

Inverse Universe

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



34, 17.626, 227.903



42, 24.146, 231.155



23, 30.162, 286.317



19, 1.864, 222.519



34, 24.158, 238.309



71, 42.652, 241.183

Previews

White Background



This preview shows how the CIELCh color 27, 27.837, 42.234 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 27, 27.837, 42.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

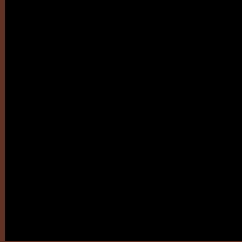
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 27.837, 42.234

Background



This preview shows how black text looks on a background with the CIELCh color 27, 27.837, 42.234.

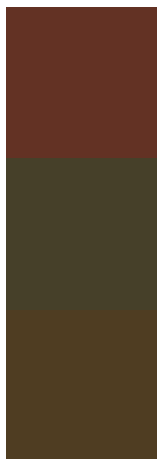


This preview shows how white text looks on a background with the CIELCh color 27, 27.837, 42.234.

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

27, 27.837, 42.234

Protanopia

27, 15.090, 95.625

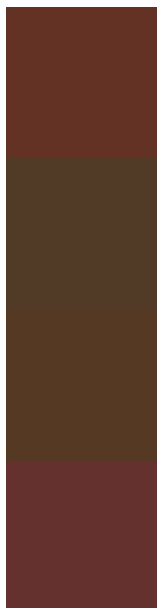
Deuteranopia

27, 19.945, 78.471



Tritanopia
27, 25.243, 19.231

Trichromacy



Original Color
27, 27.837, 42.234

Protanomaly
27, 17.519, 67.122

Deuteranomaly
27, 21.340, 61.788

Tritanomaly
27, 25.768, 28.782

Monochromacy



Original Color
27, 27.837, 42.234

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 9.369, 40.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 27.837, 42.234 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(99, 50, 36)` looks like.

```
.text, #text, p{  
    color:rgb(99, 50, 36)  
}
```

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(99, 50, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 50, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 27.837, 42.234 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(99, 50, 36) }
```

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

```
.border{ border-color:rgb(99, 50, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 50, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 50, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 50, 36);  
box-shadow:4px 4px 4px 4px rgb(99, 50, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 27.837, 42.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 50, 36) }
```

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

```
.background{ background-color: rgb(99, 50,  
36) }
```

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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