

Converting Colors

CIELCh(27, 34.738, 39.731)

Have a look what the booklet for
CIELCh(27, 34.738, 39.731) contains.

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Color

CIELCh(27, 34.718, 39.987)

Conversions

Conversions Part 1

Format	Color
Hex	6B2D1F
RGB	107, 45, 31
RGB Percent	42%, 18%, 12%
CMY	0.5806, 0.8237, 0.8786
CMYK	0.00, 0.58, 0.71, 0.58
HSL	11°, 55%, 27%
HSV	11°, 71%, 42%
XYZ	7.2394, 5.0937, 1.8948
YIQ	61.9420, 41.4460, 8.7900

Conversions

Conversions Part 2

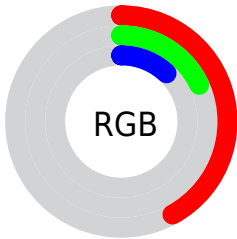
Format	Color
RYB	107, 48, 31
Decimal	7023903
CIELab	27.00, 26.60, 22.31
CIELCh	27, 34.718, 39.987
Yxy	5.0937, 0.5088, 0.3580
Android (android.graphics.Color)	4285213983 (0xFF6B2D1F)
YUV	61.9420, -15.2544, 39.5159
Hunter-Lab	22.5692, 17.7602, 10.8208

Details

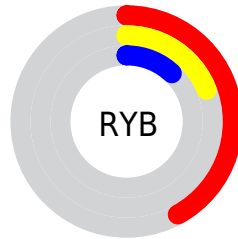
The CIELCh color **27, 34.718, 39.987** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **36, 20.106, 223.200**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 34.594, 40.591**, and **7, 28.774, 22.898** is the 20% darker color. If you saturate the color by 10%, you get **25, 40.626, 41.077**, and if you desaturate by 10%, it is **29, 28.886, 39.074**.

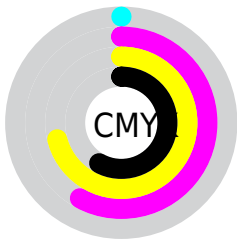
Distribution



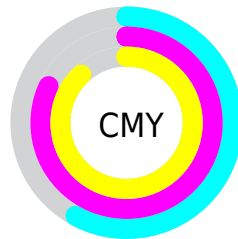
- Red (42%)
- Green (18%)
- Blue (12%)



- Red (42%)
- Yellow (19%)
- Blue (12%)



- Cyan (0%)
- Magenta (58%)
- Yellow (71%)
- Black (58%)



- Cyan (58%)
- Magenta (82%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 34.718, 39.987 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, 34.718, 39.987 by changing the saturation by 10% instead.

■ 27, 34.718, 39.987

■ 27, 34.718, 39.987

■ 100, 34.718,
39.987

■ 17, 34.718, 39.987

■ 47, 34.718, 39.987

■ 7, 34.718, 39.987

■ 57, 34.718, 39.987

■ 0, 34.718, 39.987

■ 67, 34.718, 39.987

■ 77, 34.718, 39.987

■ 87, 34.718, 39.987

■ 97, 34.718, 39.987

■ 27, 34.718, 39.987

■ 27, 34.718, 39.987

25, 40.626, 41.077

29, 28.886, 39.074

24, 45.975, 41.730

31, 23.299, 38.386

22, 49.843, 41.926

34, 18.032, 37.918

37, 13.114, 37.637

39, 8.546, 37.505

42, 4.315, 37.471

45, 0.395, 36.776

48, 3.241, 217.932

51, 6.623, 218.104

Harmonies

Complementary

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



27, 34.718, 39.987



36, 20.106, 223.200

Rectangle

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



27, 34.718, 39.987



27, 34.718, 89.987



27, 34.718, 219.987



27, 34.718, 269.987

Sweetspot

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



27, 34.717, 39.990



51, 10.671, 37.509



26, 45.386, 334.423



25, 7.338, 37.527



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



27, 34.717, 39.990



33, 53.784, 41.773



37, 33.453, 83.364



21, 2.178, 37.466



25, 54.130, 42.465



53, 97.369, 42.645

Inverse Universe

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



36, 20.106, 223.200



46, 26.772, 226.774



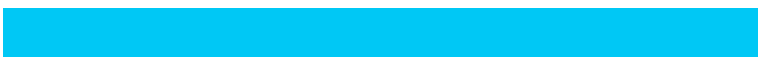
24, 34.524, 286.434



22, 2.066, 217.940



37, 24.563, 230.547



75, 42.381, 232.829

Previews

White Background



This preview shows how the CIELCh color 27, 34.718, 39.987 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, 34.718, 39.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

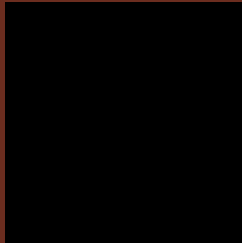
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 34.718, 39.987

Background



This preview shows how black text looks on a background with the CIELCh color 27, 34.718, 39.987.

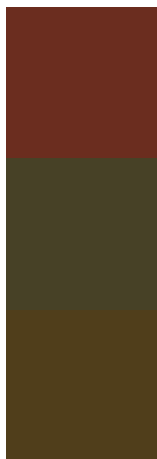


This preview shows how white text looks on a background with the CIELCh color 27, 34.718, 39.987.

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, 34.718, 39.987

Protanopia

27, 17.507, 96.665

Deuteranopia

27, 24.330, 82.491



Tritanopia
27, 31.899, 23.419

Trichromacy



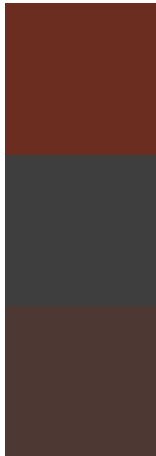
Original Color
27, 34.718, 39.987

Protanomaly
27, 20.595, 65.697

Deuteranomaly
27, 26.333, 62.759

Tritanomaly
27, 32.560, 29.647

Monochromacy



Original Color
27, 34.718, 39.987

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 11.349, 37.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 34.718, 39.987 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(107, 45, 31)` looks like.

```
.text, #text, p{  
    color:rgb(107, 45, 31)  
}
```

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(107, 45, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 45, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 34.718, 39.987 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(107, 45, 31) }
```

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

```
.border{ border-color:rgb(107, 45, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 45, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 45, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 45, 31);  
box-shadow:4px 4px 4px 4px rgb(107, 45,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 34.718, 39.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 45, 31) }
```

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

```
.background{ background-color: rgb(107, 45,  
31) }
```

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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