

Converting Colors

CIELCh(30, 30.969, 31.589)

Have a look what the booklet for
CIELCh(30, 30.969, 31.589) contains.

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Color

CIELCh(30, 30.846, 30.972)

Conversions

Conversions Part 1

Format	Color
Hex	71342F
RGB	113, 52, 47
RGB Percent	44%, 20%, 18%
CMY	0.5552, 0.7946, 0.8143
CMYK	0.00, 0.54, 0.58, 0.56
HSL	5°, 41%, 32%
HSV	5°, 58%, 44%
XYZ	8.6293, 6.2359, 3.4744
YIQ	69.6690, 37.9610, 11.3770

Conversions

Conversions Part 2

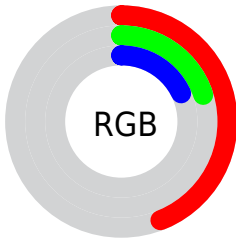
Format	Color
R_{YB}	113, 52, 47
Decimal	7418927
CIE _{Lab}	30.00, 26.45, 15.87
CIE _{LCh}	30, 30.846, 30.972
Yxy	6.2359, 0.4705, 0.3400
Android (android.graphics.Color)	4285609007 (0xFF71342F)
YUV	69.6690, -11.1758, 38.0013
Hunter-Lab	24.9718, 17.9822, 9.2310

Details

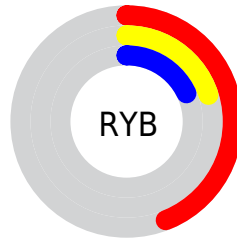
The CIELCh color **30, 30.846, 30.972** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **42, 20.018, 206.023**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 30.930, 30.584**, and **10, 30.478, 30.253** is the 20% darker color. If you saturate the color by 10%, you get **28, 37.131, 32.823**, and if you desaturate by 10%, it is **33, 24.739, 29.519**.

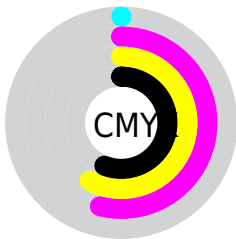
Distribution



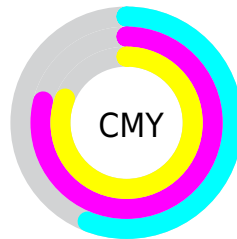
- Red (44%)
- Green (20%)
- Blue (18%)



- Red (44%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (54%)
- Yellow (58%)
- Black (56%)



- Cyan (56%)
- Magenta (79%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 30.846, 30.972 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 30, 30.846, 30.972 by changing the saturation by 10% instead.

■ 30, 30.846, 30.972

■ 30, 30.846, 30.972

■ 100, 30.846,
30.972

■ 20, 30.846, 30.972

■ 50, 30.846, 30.972

■ 10, 30.846, 30.972

■ 60, 30.846, 30.972

■ 0, 30.846, 30.972

■ 70, 30.846, 30.972

■ 80, 30.846, 30.972

■ 90, 30.846, 30.972

■ 30, 30.846, 30.972

■ 30, 30.846, 30.972

■ 28, 37.131, 32.823

■ 33, 24.739, 29.519

■ 26, 43.416, 35.052

■ 36, 18.924, 28.403

■ 24, 49.281, 37.352

■ 39, 13.459, 27.562

■ 23, 53.596, 38.722

■ 42, 8.365, 26.929

■ 23, 54.273, 39.026

■ 45, 3.640, 26.424

■ 48, 0.737, 206.705

■ 52, 4.794, 206.061

■ 55, 8.562, 205.881

■ 59, 12.071,
205.778

Harmonies

Complementary

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



30, 30.846, 30.972



42, 20.018, 206.023

Rectangle

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



30, 30.846, 30.972



30, 30.846, 80.972



30, 30.846, 210.972



30, 30.846, 260.972

Sweetspot

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



30, 30.844, 30.975



54, 9.649, 26.885



31, 44.153, 329.339



27, 6.449, 26.964



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



30, 30.844, 30.975



36, 47.712, 33.582



38, 27.186, 74.861



22, 2.463, 26.461



24, 56.946, 39.449



52, 101.163, 40.625

Inverse Universe

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



42, 20.018, 206.023



53, 27.395, 206.600



32, 24.834, 273.348



23, 2.331, 206.113



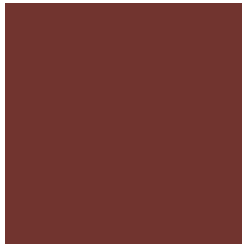
42, 26.150, 208.974



83, 44.475, 209.772

Previews

White Background



This preview shows how the CIELCh color 30, 30.846, 30.972 looks on a white background.

Color Contrast Check

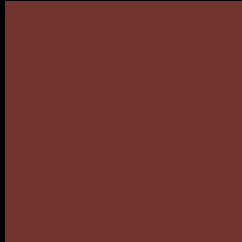
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 30.846, 30.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

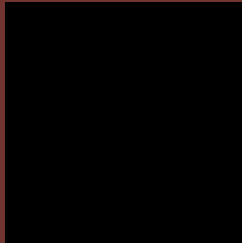
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 30.846, 30.972

Background



This preview shows how black text looks on a background with the CIELCh color 30, 30.846, 30.972.

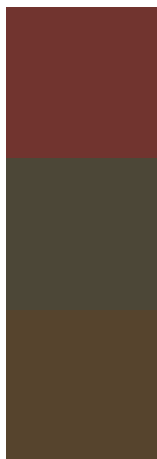


This preview shows how white text looks on a background with the CIELCh color 30, 30.846, 30.972.

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

30, 30.846, 30.972

Protanopia

30, 10.440, 95.035

Deuteranopia

30, 17.359, 75.957



Tritanopia
30, 30.213, 21.090

Trichromacy



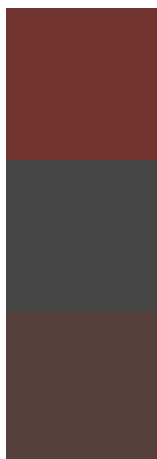
Original Color
30, 30.846, 30.972

Protanomaly
30, 15.166, 51.052

Deuteranomaly
30, 20.433, 51.073

Tritanomaly
30, 30.657, 24.543

Monochromacy



Original Color
30, 30.846, 30.972

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 10.459, 28.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 30.846, 30.972 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(113, 52, 47)` looks like.

```
.text, #text, p{  
    color:rgb(113, 52, 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(113, 52, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 52, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 30.846, 30.972 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(113, 52, 47) }
```

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

```
.border{ border-color:rgb(113, 52, 47) }
```

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

Here you see how a box with a 4 pixel rgb(113, 52, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 52, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 52, 47);  
box-shadow:4px 4px 4px 4px rgb(113, 52,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 30.846, 30.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 52, 47) }
```

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

```
.background{ background-color: rgb(113, 52,  
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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