

Converting Colors

CIELCh(30, 42.301, 21.842)

Have a look what the booklet for
CIELCh(30, 42.301, 21.842) contains.

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Color

CIELCh(30, 42.327, 21.889)

Conversions

Conversions Part 1

Format	Color
Hex	802630
RGB	128, 38, 48
RGB Percent	50%, 15%, 19%
CMY	0.4968, 0.8498, 0.8108
CMYK	0.00, 0.70, 0.62, 0.50
HSL	353°, 54%, 33%
HSV	353°, 70%, 50%
XYZ	10.1930, 6.2359, 3.4899
YIQ	66.0500, 50.4300, 22.1900

Conversions

Conversions Part 2

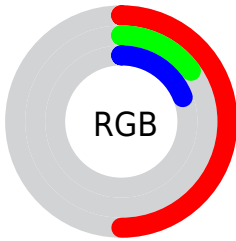
Format	Color
R _Y B	128, 38, 48
Decimal	8398384
CIE Lab	30.00, 39.28, 15.78
CIE LCh	30, 42.327, 21.889
Yxy	6.2359, 0.5117, 0.3131
Android (android.graphics.Color)	4286588464 (0xFF802630)
YUV	66.0500, -8.8986, 54.3302
Hunter-Lab	24.9718, 29.1595, 9.1942

Details

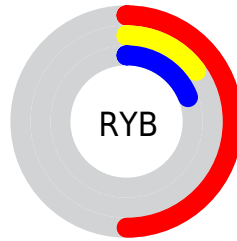
The CIELCh color **30, 42.327, 21.889** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **49, 28.579, 184.561**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 42.189, 21.689**, and **12, 37.608, 30.284** is the 20% darker color. If you saturate the color by 10%, you get **28, 48.154, 25.509**, and if you desaturate by 10%, it is **33, 36.103, 18.956**.

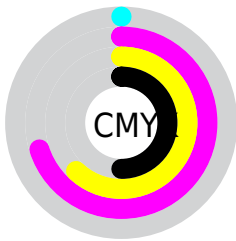
Distribution



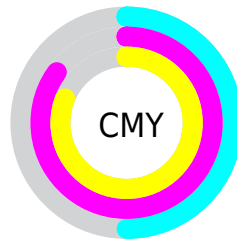
- Red (50%)
- Green (15%)
- Blue (19%)



- Red (50%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (70%)
- Yellow (62%)
- Black (50%)



- Cyan (50%)
- Magenta (85%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 42.327, 21.889 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, 42.327, 21.889 by changing the saturation by 10% instead.

■ 30, 42.327, 21.889

■ 30, 42.327, 21.889

■ 100, 42.327,
21.889

■ 20, 42.327, 21.889

■ 50, 42.327, 21.889

■ 10, 42.327, 21.889

■ 60, 42.327, 21.889

■ 0, 42.327, 21.889

■ 70, 42.327, 21.889

■ 80, 42.327, 21.889

■ 90, 42.327, 21.889

■ 30, 42.327, 21.889

■ 30, 42.327, 21.889

■ 28, 48.154, 25.509

■ 33, 36.103, 18.956

27, 53.423, 29.747

35, 29.692, 16.623

26, 58.176, 33.686

39, 23.288, 14.771

42, 17.047, 13.290

46, 11.070, 12.083

50, 5.407, 11.066

54, 0.078, 5.346

58, 4.927, 189.703

62, 9.624, 189.069

Harmonies

Complementary

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



30, 42.327, 21.889



49, 28.579, 184.561

Rectangle

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



30, 42.327, 21.889



30, 42.327, 71.889



30, 42.327, 201.889



30, 42.327, 251.889

Sweetspot

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



30, 42.325, 21.891



58, 14.281, 12.231



31, 58.242, 323.967



29, 9.807, 12.494



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 42.325, 21.891



36, 61.795, 27.891



37, 36.567, 56.027



25, 2.978, 10.964



26, 57.877, 33.642



0, 0.000, 0.000

Inverse Universe

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



30, 42.325, 21.891



36, 61.795, 27.891



38, 25.442, 255.686



25, 2.978, 10.964



26, 57.877, 33.642



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 30, 42.327, 21.889 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, 42.327, 21.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

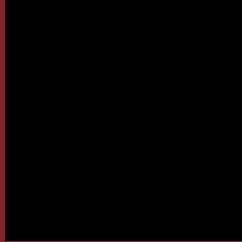
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 42.327, 21.889

Background



This preview shows how black text looks on a background with the CIELCh color 30, 42.327, 21.889.



This preview shows how white text looks on a background with the CIELCh color 30, 42.327, 21.889.

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, 42.327, 21.889

Protanopia

31, 5.876, 95.511

Deuteranopia

31, 18.417, 77.647



Tritanopia
30, 43.139, 28.478

Trichromacy



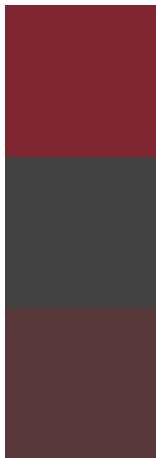
Original Color
30, 42.327, 21.889

Protanomaly
29, 16.461, 26.709

Deuteranomaly
30, 23.986, 41.166

Tritanomaly
30, 42.765, 25.625

Monochromacy



Original Color
30, 42.327, 21.889

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 15.738, 13.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 42.327, 21.889 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(128, 38, 48)` looks like.

```
.text, #text, p{  
    color:rgb(128, 38, 48)  
}
```

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(128, 38, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 38, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 42.327, 21.889 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(128, 38, 48) }
```

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

```
.border{ border-color:rgb(128, 38, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 38, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 38, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 38, 48);  
box-shadow:4px 4px 4px 4px rgb(128, 38,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 42.327, 21.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 38, 48) }
```

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

```
.background{ background-color: rgb(128, 38,  
48) }
```

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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