

Converting Colors

CIELCh(22, 43.358, 22.107)

Have a look what the booklet for
CIELCh(22, 43.358, 22.107) contains.

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Color

CIELCh(22, 43.370, 21.886)

Conversions

Conversions Part 1

Format	Color
Hex	6B0D1F
RGB	107, 13, 31
RGB Percent	42%, 5%, 12%
CMY	0.5803, 0.9488, 0.8784
CMYK	0.00, 0.88, 0.71, 0.58
HSL	349°, 78%, 24%
HSV	349°, 88%, 42%
XYZ	6.4589, 3.5154, 1.6359
YIQ	43.1580, 50.2460, 25.5260

Conversions

Conversions Part 2

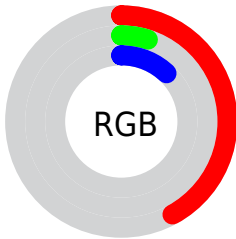
Format	Color
RYB	107, 13, 31
Decimal	7015711
CIELab	22.00, 40.24, 16.17
CIElCh	22, 43.370, 21.886
Yxy	3.5154, 0.5563, 0.3028
Android (android.graphics.Color)	4285205791 (0xFF6B0D1F)
YUV	43.1580, -5.9939, 55.9894
Hunter-Lab	18.7494, 28.6788, 7.9516

Details

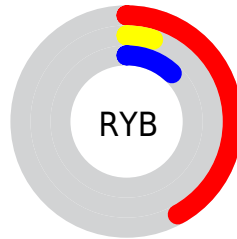
The CIELCh color **22, 43.370, 21.886** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **40, 30.196, 174.535**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 43.360, 21.656**, and **7, 28.690, 22.151** is the 20% darker color. If you saturate the color by 10%, you get **21, 47.208, 26.220**, and if you desaturate by 10%, it is **23, 39.239, 17.862**.

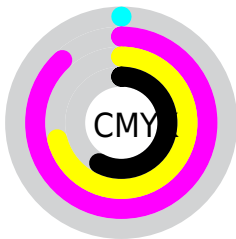
Distribution



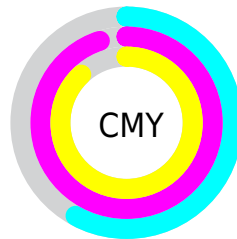
- Red (42%)
- Green (5%)
- Blue (12%)



- Red (42%)
- Yellow (5%)
- Blue (12%)



- Cyan (0%)
- Magenta (88%)
- Yellow (71%)
- Black (58%)



- Cyan (58%)
- Magenta (95%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 43.370, 21.886 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 22, 43.370, 21.886 by changing the saturation by 10% instead.

■ 22, 43.370, 21.886

■ 22, 43.370, 21.886

■ 100, 43.370,
21.886

■ 12, 43.370, 21.886

■ 42, 43.370, 21.886

■ 2, 43.370, 21.886

■ 52, 43.370, 21.886

■ 0, 43.370, 21.886

■ 62, 43.370, 21.886

■ 72, 43.370, 21.886

■ 82, 43.370, 21.886

■ 92, 43.370, 21.886

■ 22, 43.370, 21.886

■ 22, 43.370, 21.886

21, 47.208, 26.220

23, 39.239, 17.862

21, 48.107, 27.061

25, 34.571, 14.574

28, 29.499, 11.939

30, 24.204, 9.829

33, 18.860, 8.123

36, 13.600, 6.720

39, 8.510, 5.543

43, 3.640, 4.506

46, 0.990, 184.075

Harmonies

Complementary

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



22, 43.370, 21.886



40, 30.196, 174.535

Rectangle

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



22, 43.370, 21.886



22, 43.370, 71.886



22, 43.370, 201.886



22, 43.370, 251.886

Sweetspot

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



22, 43.368, 21.888



48, 15.834, 6.584



22, 58.272, 321.287



23, 10.878, 6.914



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



22, 43.368, 21.888



29, 59.215, 28.771



26, 42.024, 48.590



21, 2.628, 4.623



23, 51.599, 27.692



51, 91.480, 31.126

Inverse Universe

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



22, 43.368, 21.888



29, 59.215, 28.771



31, 23.449, 248.458



21, 2.628, 4.623



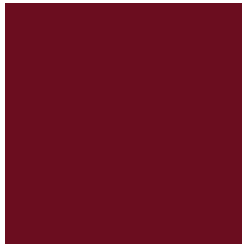
23, 51.599, 27.692



51, 91.480, 31.126

Previews

White Background



This preview shows how the CIE LCh color 22, 43.370, 21.886 looks on a white background.

Color Contrast Check

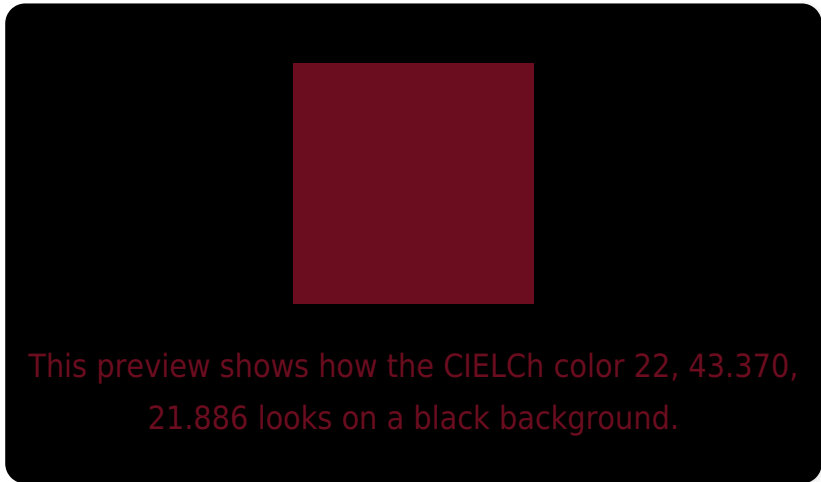
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

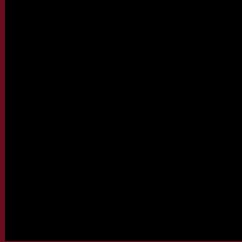
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 43.370, 21.886

Background



This preview shows how black text looks on a background with the CIELCh color 22, 43.370, 21.886.



This preview shows how white text looks on a background with the CIELCh color 22, 43.370, 21.886.

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

22, 43.370, 21.886

Protanopia

23, 6.789, 96.214

Deuteranopia

23, 19.598, 81.816



Tritanopia
22, 46.485, 34.266

Trichromacy



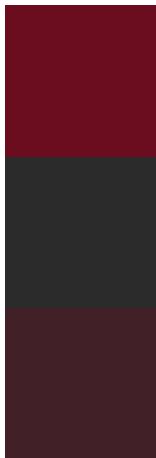
Original Color
22, 43.370, 21.886

Protanomaly
21, 18.367, 23.745

Deuteranomaly
21, 25.223, 39.360

Tritanomaly
22, 45.226, 30.645

Monochromacy



Original Color
22, 43.370, 21.886

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 17.493, 8.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 43.370, 21.886 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, 13, 31)` looks like.

```
.text, #text, p{  
    color:rgb(107, 13, 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, 13, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 13, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 43.370, 21.886 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, 13, 31) }
```

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

```
.border{ border-color:rgb(107, 13, 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, 13, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 13, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 13, 31);  
box-shadow:4px 4px 4px 4px rgb(107, 13,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 43.370, 21.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 13, 31) }
```

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

```
.background{ background-color: rgb(107, 13,  
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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