

Converting Colors

CIELCh(21, 49.345, 35.445)

Have a look what the booklet for
CIELCh(21, 49.345, 35.445) contains.

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Color

CIELCh(21, 49.370, 35.373)

Conversions

Conversions Part 1

Format	Color
Hex	6A0808
RGB	106, 8, 8
RGB Percent	42%, 3%, 3%
CMY	0.5847, 0.9692, 0.9691
CMYK	0.00, 0.93, 0.93, 0.58
HSL	360°, 86%, 22%
HSV	360°, 93%, 42%
XYZ	6.0592, 3.2451, 0.5332
YIQ	37.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

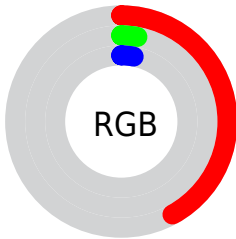
Format	Color
RYB	106, 8, 8
Decimal	6948872
CIELab	21.00, 40.26, 28.58
CIElCh	21, 49.370, 35.373
Yxy	3.2451, 0.6159, 0.3299
Android (android.graphics.Color)	4285138952 (0xFF6A0808)
YUV	37.3020, -14.4459, 60.2481
Hunter-Lab	18.0142, 28.5150, 10.8550

Details

The CIELCh color **21, 49.370, 35.373** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **40, 25.690, 196.423**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 49.319, 35.617**, and **7, 27.609, 21.332** is the 20% darker color. If you saturate the color by 10%, you get **20, 52.164, 36.427**, and if you desaturate by 10%, it is **22, 44.992, 33.139**.

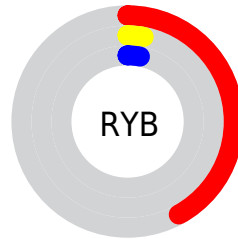
Distribution



Red (42%)

Green (3%)

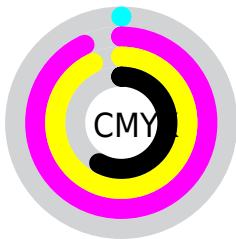
Blue (3%)



Red (42%)

Yellow (3%)

Blue (3%)

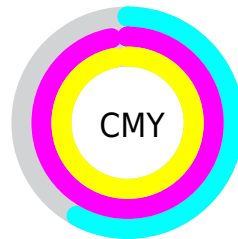


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (58%)



Cyan (58%)

Magenta (97%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 49.370, 35.373 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 21, 49.370, 35.373 by changing the saturation by 10% instead.

■ 21, 49.370, 35.373

■ 21, 49.370, 35.373

■ 100, 49.370,
35.373

■ 11, 49.370, 35.373

■ 41, 49.370, 35.373

■ 1, 49.370, 35.373

■ 51, 49.370, 35.373

■ 0, 49.370, 35.373

■ 61, 49.370, 35.373

■ 71, 49.370, 35.373

■ 81, 49.370, 35.373

■ 91, 49.370, 35.373

■ 21, 49.370, 35.373

■ 21, 49.370, 35.373

20, 52.164, 36.427

22, 44.992, 33.139

24, 39.306, 29.929

26, 33.361, 27.207

28, 27.383, 25.021

31, 21.538, 23.309

34, 15.942, 21.978

37, 10.661, 20.938

41, 5.724, 20.107

44, 1.131, 19.229

Harmonies

Complementary

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



21, 49.370, 35.373



40, 25.690, 196.423

Rectangle

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



21, 49.370, 35.373



21, 49.370, 85.373



21, 49.370, 215.373



21, 49.370, 265.373

Sweetspot

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



21, 49.368, 35.375



46, 16.773, 21.553



24, 58.720, 327.530



21, 11.623, 21.909



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



21, 49.368, 35.375



28, 65.120, 38.921



29, 40.942, 62.100



21, 2.547, 19.836



23, 56.947, 37.570



51, 101.384, 39.995

Inverse Universe

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



21, 49.368, 35.375



28, 65.120, 38.921



24, 32.292, 276.920



21, 2.547, 19.836



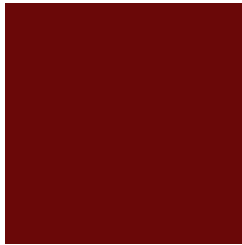
23, 56.947, 37.570



51, 101.384, 39.995

Previews

White Background



This preview shows how the CIELCh color 21, 49.370, 35.373 looks on a white background.

Color Contrast Check

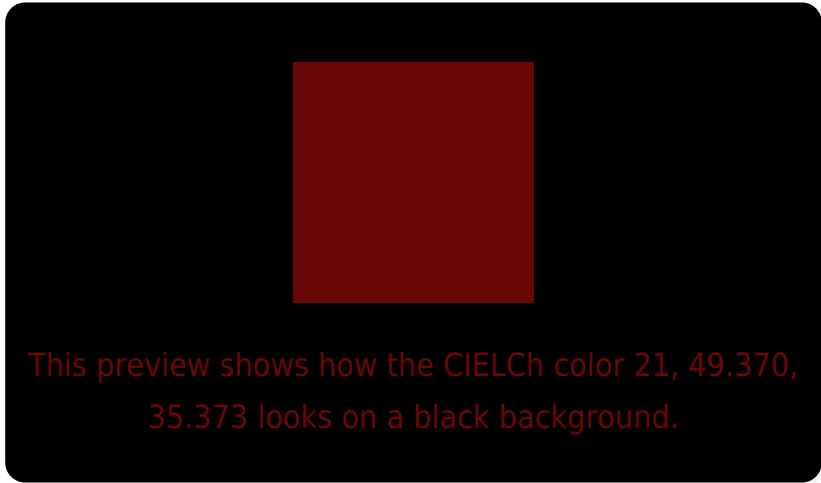
Large Text (above 18pt) WCAG AA ✓ Pass

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 21, 49.370, 35.373

Background



This preview shows how black text looks on a background with the CIELCh color 21, 49.370, 35.373.



This preview shows how white text looks on a background with the CIELCh color 21, 49.370, 35.373.

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

21, 49.370, 35.373

Protanopia

22, 23.749, 96.890

Deuteranopia

22, 31.281, 85.658



Tritanopia
21, 51.000, 38.656

Trichromacy



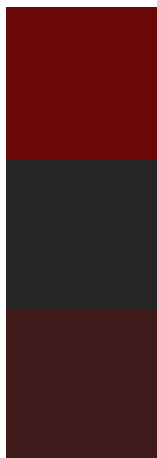
Original Color
21, 49.370, 35.373

Protanomaly
20, 28.415, 53.754

Deuteranomaly
20, 34.473, 54.722

Tritanomaly
21, 50.320, 37.541

Monochromacy



Original Color
21, 49.370, 35.373

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 19.451, 25.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 49.370, 35.373 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(106, 8, 8)` looks like.

```
.text, #text, p{  
    color:rgb(106, 8, 8)  
}
```

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(106, 8, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 8, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 49.370, 35.373 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(106, 8, 8) }
```

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

```
.border{ border-color:rgb(106, 8, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 8, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 8, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(106, 8, 8); box-shadow:4px  
4px 4px 4px rgb(106, 8, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 49.370, 35.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 8, 8) }
```

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

```
.background{ background-color: rgb(106, 8,  
8) }
```

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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