

Converting Colors

CIELCh(21, 42.942, 40.023)

Have a look what the booklet for
CIELCh(21, 42.942, 40.023) contains.

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Color

CIELCh(21, 42.921, 39.942)

Conversions

Conversions Part 1

Format	Color
Hex	621709
RGB	98, 23, 9
RGB Percent	38%, 9%, 4%
CMY	0.6150, 0.9092, 0.9640
CMYK	0.00, 0.76, 0.91, 0.62
HSL	9°, 83%, 21%
HSV	9°, 91%, 38%
XYZ	5.4147, 3.2451, 0.6048
YIQ	43.8290, 49.1940, 11.5460

Conversions

Conversions Part 2

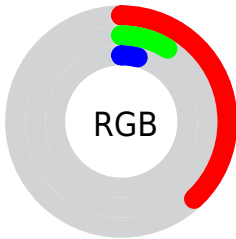
Format	Color
RYB	98, 26, 9
Decimal	6428425
CIELab	21.00, 32.91, 27.56
CIElCh	21, 42.921, 39.942
Yxy	3.2451, 0.5844, 0.3503
Android (android.graphics.Color)	4284618505 (0xFF621709)
YUV	43.8290, -17.1707, 47.5080
Hunter-Lab	18.0142, 22.1287, 10.6193

Details

The CIELCh color **21, 42.921, 39.942** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 21.015, 222.222**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 43.168, 39.860**, and **5, 23.874, 19.357** is the 20% darker color. If you saturate the color by 10%, you get **20, 46.540, 40.218**, and if you desaturate by 10%, it is **22, 38.115, 39.371**.

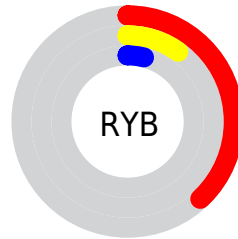
Distribution



Red (38%)

Green (9%)

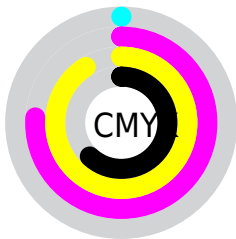
Blue (4%)



Red (38%)

Yellow (10%)

Blue (4%)

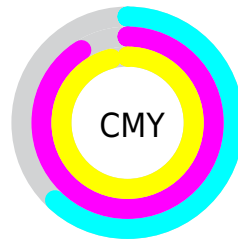


Cyan (0%)

Magenta (76%)

Yellow (91%)

Black (62%)



Cyan (62%)

Magenta (91%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 42.921, 39.942 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, 42.921, 39.942 by changing the saturation by 10% instead.

■ 21, 42.921, 39.942

■ 21, 42.921, 39.942

■ 100, 42.921,
39.942

■ 11, 42.921, 39.942

■ 41, 42.921, 39.942

■ 1, 42.921, 39.942

■ 51, 42.921, 39.942

■ 0, 42.921, 39.942

■ 61, 42.921, 39.942

■ 71, 42.921, 39.942

■ 81, 42.921, 39.942

■ 91, 42.921, 39.942

■ 21, 42.921, 39.942

■ 21, 42.921, 39.942

20, 46.540, 40.218

22, 38.115, 39.371

24, 32.566, 38.021

26, 27.093, 36.893

29, 21.841, 36.025

31, 16.881, 35.399

33, 12.243, 34.976

36, 7.931, 34.714

39, 3.932, 34.555

41, 0.227, 33.175

Harmonies

Complementary

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



21, 42.921, 39.942



33, 21.015, 222.222

Rectangle

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



21, 42.921, 39.942



21, 42.921, 89.942



21, 42.921, 219.942



21, 42.921, 269.942

Sweetspot

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



21, 42.920, 39.945



44, 13.229, 34.887



22, 49.464, 334.202



21, 8.912, 34.954



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



21, 42.920, 39.945



27, 58.746, 41.915



31, 37.755, 77.438



19, 2.037, 34.529



23, 52.534, 41.224



52, 96.726, 42.004

Inverse Universe

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



33, 21.015, 222.222



41, 26.064, 225.147



18, 39.774, 290.323



19, 1.933, 214.791



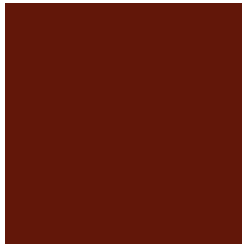
37, 23.792, 224.708



75, 41.549, 226.753

Previews

White Background



This preview shows how the CIELCh color 21, 42.921, 39.942 looks on a white background.

Color Contrast Check

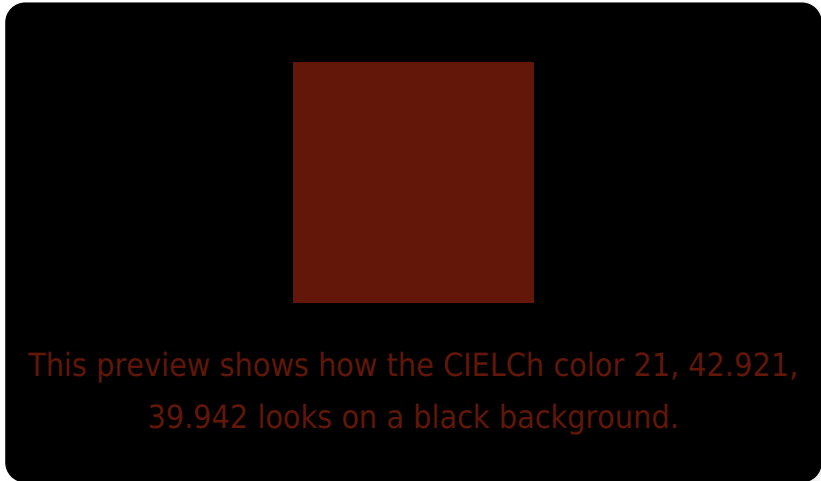
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.921, 39.942

Background



This preview shows how black text looks on a background with the CIELCh color 21, 42.921, 39.942.



This preview shows how white text looks on a background with the CIELCh color 21, 42.921, 39.942.

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, 42.921, 39.942

Protanopia

22, 23.770, 96.796

Deuteranopia

22, 30.575, 86.366



Tritanopia
21, 39.561, 31.256

Trichromacy



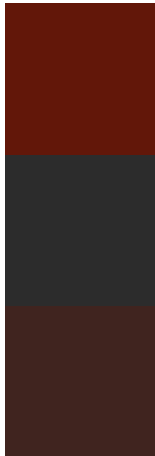
Original Color
21, 42.921, 39.942

Protanomaly
20, 26.229, 63.688

Deuteranomaly
21, 32.229, 62.460

Tritanomaly
21, 41.066, 35.115

Monochromacy



Original Color
21, 42.921, 39.942

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 15.518, 35.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 42.921, 39.942 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(98, 23, 9)` looks like.

```
.text, #text, p{  
    color:rgb(98, 23, 9)  
}
```

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(98, 23, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 23, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 42.921, 39.942 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(98, 23, 9) }
```

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

```
.border{ border-color:rgb(98, 23, 9) }
```

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

Here you see how a box with a 4 pixel rgb(98, 23, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 23, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(98, 23, 9); box-shadow:4px  
4px 4px 4px rgb(98, 23, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 42.921, 39.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 23, 9) }
```

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

```
.background{ background-color: rgb(98, 23,  
9) }
```

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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