

Converting Colors

CIELCh(21, 4.345, 35.642)

Have a look what the booklet for
CIELCh(21, 4.345, 35.642) contains.

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Color

CIELCh(21, 4.099, 39.180)

Conversions

Conversions Part 1

Format	Color
Hex	39312F
RGB	57, 49, 47
RGB Percent	22%, 19%, 18%
CMY	0.7774, 0.8087, 0.8165
CMYK	0.00, 0.14, 0.18, 0.78
HSL	12°, 10%, 20%
HSV	12°, 18%, 22%
XYZ	3.2724, 3.2451, 3.1203
YIQ	51.1640, 5.4100, 1.0740

Conversions

Conversions Part 2

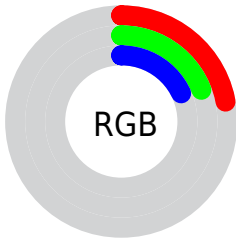
Format	Color
RYB	57, 50, 47
Decimal	3748143
CIELab	21.00, 3.18, 2.59
CIElCh	21, 4.099, 39.180
Yxy	3.2451, 0.3395, 0.3367
Android (android.graphics.Color)	4281938223 (0xFF39312F)
YUV	51.1640, -2.0529, 5.1182
Hunter-Lab	18.0142, 0.9012, 2.3401

Details

The CIELCh color **21, 4.099, 39.180** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 3.721, 220.042**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 4.033, 37.207**, and **1, 3.751, 25.576** is the 20% darker color. If you saturate the color by 10%, you get **19, 6.660, 39.182**, and if you desaturate by 10%, it is **23, 1.709, 39.232**.

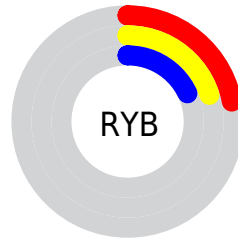
Distribution



Red (22%)

Green (19%)

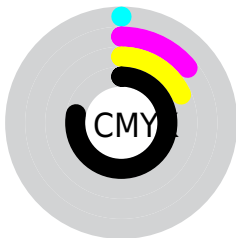
Blue (18%)



Red (22%)

Yellow (20%)

Blue (18%)

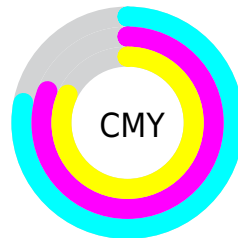


Cyan (0%)

Magenta (14%)

Yellow (18%)

Black (78%)



Cyan (78%)

Magenta (81%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 4.099, 39.180 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, 4.099, 39.180 by changing the saturation by 10% instead.

■ 21, 4.099, 39.180 ■ 21, 4.099, 39.180

■ 100, 4.099, 39.180 ■ 11, 4.099, 39.180

■ 41, 4.099, 39.180 ■ 1, 4.099, 39.180

■ 51, 4.099, 39.180 ■ 0, 4.099, 39.180

■ 61, 4.099, 39.180

■ 71, 4.099, 39.180

■ 81, 4.099, 39.180

■ 91, 4.099, 39.180

■ 21, 4.099, 39.180 ■ 21, 4.099, 39.180

■ 19, 6.660, 39.182 ■ 23, 1.709, 39.232

18, 9.404, 39.264	24, 0.523, 219.973
16, 12.335, 39.471	26, 2.610, 219.860
15, 15.453, 39.826	28, 4.567, 220.092
14, 18.638, 39.979	29, 6.407, 220.373
12, 21.407, 38.672	31, 8.141, 220.680
11, 23.786, 36.681	33, 9.783, 221.002
10, 26.026, 35.446	34, 11.342, 221.334
10, 26.542, 35.280	36, 12.826, 221.670

Harmonies

Complementary

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



21, 4.099, 39.180



22, 3.721, 220.042

Rectangle

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



21, 4.099, 39.180



21, 4.099, 89.180



21, 4.099, 219.180



21, 4.099, 269.180

Sweetspot

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



21, 4.099, 39.193



30, 1.390, 39.209



21, 7.118, 331.454



15, 0.959, 39.214



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 4.099, 39.193



27, 6.196, 39.179



23, 4.874, 91.831



9, 1.236, 39.233



19, 43.023, 41.459



48, 88.878, 43.235

Inverse Universe

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



22, 3.721, 220.042



29, 5.477, 220.209



21, 4.889, 275.731



10, 1.184, 219.807



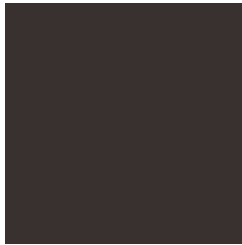
28, 20.717, 232.678



66, 39.254, 236.084

Previews

White Background



This preview shows how the CIELCh color 21, 4.099, 39.180 looks on a white background.

Color Contrast Check

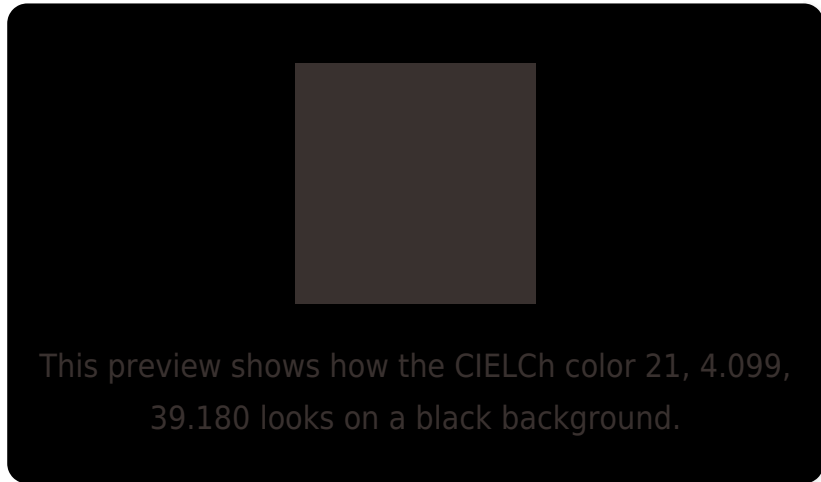
Large Text (above 18pt) WCAG AA ✓ Pass

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

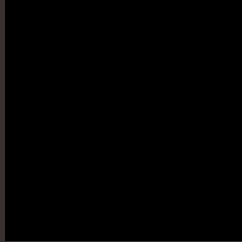
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 4.099, 39.180

Background



This preview shows how black text looks on a background with the CIELCh color 21, 4.099, 39.180.

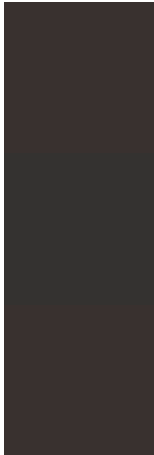


This preview shows how white text looks on a background with the CIELCh color 21, 4.099, 39.180.

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, 4.099, 39.180

Protanopia

21, 1.641, 74.550

Deuteranopia

21, 4.099, 39.180



Tritanopia
21, 5.014, 347.935

Trichromacy



Original Color

21, 4.099, 39.180

Protanomaly

21, 2.329, 54.875

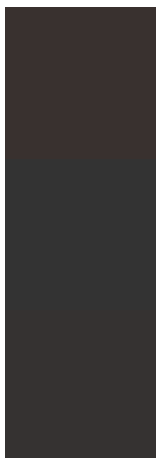
Deuteranomaly

21, 4.099, 39.180

Tritanomaly

21, 4.478, 2.844

Monochromacy



Original Color

21, 4.099, 39.180

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 1.564, 45.009

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 21, 4.099, 39.180 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(57, 49, 47)` looks like.

```
.text, #text, p{  
    color:rgb(57, 49, 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(57, 49, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 49, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 4.099, 39.180 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(57, 49, 47) }
```

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

```
.border{ border-color:rgb(57, 49, 47) }
```

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

Here you see how a box with a 4 pixel rgb(57, 49, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 49, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 49, 47);  
box-shadow:4px 4px 4px 4px rgb(57, 49, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 4.099, 39.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 49, 47) }
```

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

```
.background{ background-color: rgb(57, 49,  
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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