

Converting Colors

CIELCh(21, 28.574, 96.873)

Have a look what the booklet for
CIELCh(21, 28.574, 96.873) contains.

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Color

CIELCh(21, 28.399, 96.977)

Conversions

Conversions Part 1

Format	Color
Hex	393303
RGB	57, 51, 3
RGB Percent	22%, 20%, 1%
CMY	0.7764, 0.8000, 0.9882
CMYK	0.00, 0.11, 0.95, 0.78
HSL	53°, 90%, 12%
HSV	53°, 95%, 22%
XYZ	2.8885, 3.2451, 0.5606
YIQ	47.3220, 18.9840, -13.6560

Conversions

Conversions Part 2

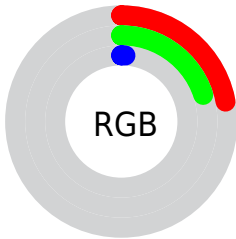
Format	Color
R_{YB}	10, 57, 3
Decimal	3748611
CIE Lab	21.00, -3.45, 28.19
CIE LCh	21, 28.399, 96.977
Yxy	3.2451, 0.4315, 0.4848
Android (android.graphics.Color)	4281938691 (0xFF393303)
YUV	47.3220, -21.8507, 8.4876
Hunter-Lab	18.0142, -2.9028, 10.7649

Details

The CIELCh color **21, 28.399, 96.977** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 34.429, 297.539**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 28.096, 96.978**, and **1, 2.954, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 29.466, 96.674**, and if you desaturate by 10%, it is **21, 26.381, 97.632**.

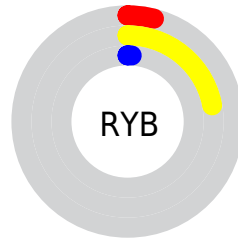
Distribution



Red (22%)

Green (20%)

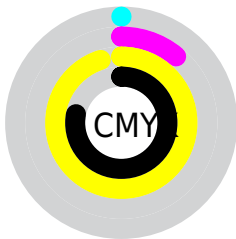
Blue (1%)



Red (4%)

Yellow (22%)

Blue (1%)

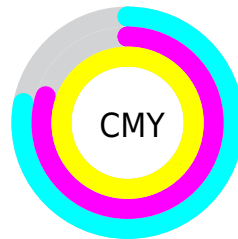


Cyan (0%)

Magenta (11%)

Yellow (95%)

Black (78%)



Cyan (78%)

Magenta (80%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 28.399, 96.977 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, 28.399, 96.977 by changing the saturation by 10% instead.

 21, 28.399, 96.977

 21, 28.399, 96.977

 100, 28.399,
96.977

 11, 28.399, 96.977

 41, 28.399, 96.977

 1, 28.399, 96.977

 51, 28.399, 96.977

 0, 28.399, 96.977

 61, 28.399, 96.977

 71, 28.399, 96.977

 81, 28.399, 96.977

 91, 28.399, 96.977

 21, 28.399, 96.977

 21, 28.399, 96.977

■ 21, 29.466, 96.674

■ 21, 26.381, 97.632

■ 22, 24.134, 98.401

■ 22, 21.282, 99.288

■ 22, 18.198,
100.204

■ 22, 14.974,
101.135

■ 23, 11.670,
102.072

■ 23, 8.321, 103.005

■ 23, 4.954, 103.925

■ 24, 1.584, 104.813

Harmonies

Complementary

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



21, 28.399, 96.977



5, 34.429, 297.539

Rectangle

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



21, 28.399, 96.977



21, 28.399, 146.977



21, 28.399, 276.977



21, 28.399, 326.977

Sweetspot

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



21, 28.399, 96.979



30, 11.710, 102.576



9, 28.187, 20.196



14, 8.160, 102.420



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, 28.399, 96.979



28, 36.729, 95.992



21, 33.086, 122.377



10, 1.837, 104.502



34, 42.717, 95.718



79, 79.969, 95.059

Inverse Universe

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



5, 34.429, 297.539



6, 47.450, 302.020



5, 38.340, 308.860



9, 1.863, 286.055



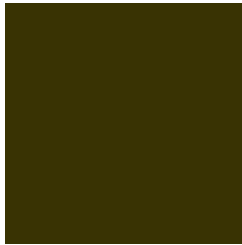
9, 57.182, 303.340



29, 113.749, 304.936

Previews

White Background



This preview shows how the CIELCh color 21, 28.399, 96.977 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 CIELCh color 21, 28.399, 96.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

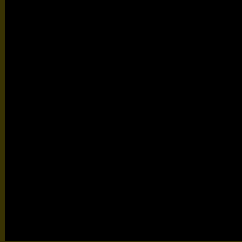
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 28.399, 96.977

Background



This preview shows how black text looks on a background with the CIELCh color 21, 28.399, 96.977.



This preview shows how white text looks on a background with the CIELCh color 21, 28.399, 96.977.

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, 28.399, 96.977

Protanopia

21, 28.399, 96.977

Deuteranopia

21, 26.816, 84.531



Tritanopia
21, 6.718, 357.296

Trichromacy



Original Color
21, 28.399, 96.977

Protanomaly
21, 28.399, 96.977

Deuteranomaly
21, 26.922, 89.543

Tritanomaly
21, 11.126, 76.849

Monochromacy



Original Color
21, 28.399, 96.977

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 11.556, 99.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 28.399, 96.977 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, 51, 3)` looks like.

```
.text, #text, p{  
    color:rgb(57, 51, 3)  
}
```

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, 51, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 51, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 28.399, 96.977 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, 51, 3) }
```

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

```
.border{ border-color:rgb(57, 51, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 51, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 51, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(57, 51, 3); box-shadow:4px  
4px 4px 4px rgb(57, 51, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 28.399, 96.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 51, 3) }
```

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

```
.background{ background-color: rgb(57, 51,  
3) }
```

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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