Converting Colors

CIELCh(21, 10.500, 96.576)

Have a look what the booklet for CIELCh(21, 10.500, 96.576) contains.

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Color

CIELCh(21, 10.803, 99.475)

Conversions

Conversions Part 1

Format	Color
Hex	363323
RGB	54, 51, 35
RGB Percent	21%, 20%, 14%
CMY	0.7892, 0.8009, 0.8636
CMYK	0.00, 0.06, 0.35, 0.79
HSL	51°, 21%, 17%
HSV	51°, 35%, 21%
XYZ	2.9824, 3.2451, 2.0421
YIQ	50.0730, 6.9240, -4.3400

Conversions

Conversions Part 2

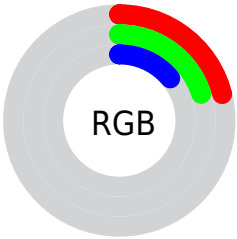
Format	Color
RYB	39, 54, 35
Decimal	3552035
CIELab	21.00, -1.78, 10.66
CIELCh	21, 10.803, 99.475
Yxy	3.2451, 0.3606, 0.3924
Android (android.graphics.Color)	4281742115 (0xFF363323)
YUV	50.0730, -7.4310, 3.4440
Hunter-Lab	18.0142, -1.9732, 5.8889

Details

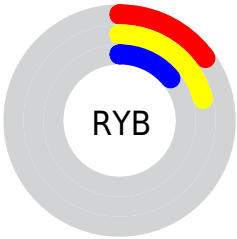
The CIELCh color 21, 10.803, 99.475 is a dark color, and the websafe version is hex 333333. A complement of this color would be 15, 11.298, 286.922, and the grayscale version is 21, 0.004, 296.813.

A 20% lighter version of the original color is 41, 10.400, 98.742, and 1, 2.191, 132.484 is the 20% darker color. If you saturate the color by 10%, you get 21, 13.837, 98.498, and if you desaturate by 10%, it is 21, 7.743, 100.450.

Distribution

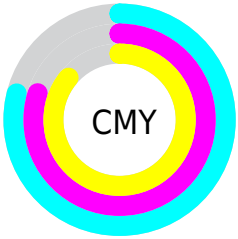


- Red (21%)
- Green (20%)
- Blue (14%)



- Red (15%)
- Yellow (21%)
- Blue (14%)

- Cyan (0%)
- Magenta (6%)
- Yellow (35%)
- Black (79%)



- Cyan (79%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 10.803, 99.475 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, 10.803, 99.475 by changing the saturation by 10% instead.

21, 10.803, 99.475

21, 10.803, 99.475

100, 10.803, 99.475

11, 10.803, 99.475

1, 10.803, 99.475

41, 10.803, 99.475

0, 10.803, 99.475

51, 10.803, 99.475

61, 10.803, 99.475

71, 10.803, 99.475

81, 10.803, 99.475

91, 10.803, 99.475

21, 10.803, 99.475

21, 10.803, 99.475

21, 13.837, 98.498

20, 16.811, 97.512

20, 19.677, 96.527

20, 22.225, 95.583

19, 24.134, 94.719

19, 25.919, 93.964

19, 26.756, 93.649

21, 7.743, 100.450

22, 4.677, 101.401

22, 1.616, 102.314

23, 1.431, 283.294

23, 4.459, 284.149

24, 7.467, 284.994

24, 10.451, 285.809

25, 13.412, 286.591

25, 16.350, 287.340

Harmonies

Complementary

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

21, 10.803, 99.475

15, 11.298, 286.922

Rectangle

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

21, 10.803, 99.475

21, 10.803, 149.475

21, 10.803, 279.475

21, 10.803, 329.475

Sweetspot

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

21, 10.804, 99.480

29, 4.130, 101.754

16, 9.778, 9.098

14, 2.803, 101.731

67, 0.008, 296.813

14, 0.003, 296.813

Same Dimension

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

21, 10.804, 99.480

27, 15.785, 98.628

21, 12.984, 121.400

10, 1.750, 102.039

33, 41.612, 92.314

76, 77.799, 91.310

Inverse Universe

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

15, 11.298, 286.922

19, 16.745, 288.254

15, 13.748, 304.952

9, 1.771, 283.659

10, 54.637, 301.973

30, 109.816, 303.927

Previews

White Background

This preview shows how the CIELCh color 21, 10.803, 99.475 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

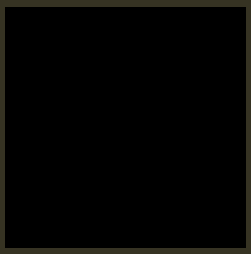
Black Background

Color Contrast Check

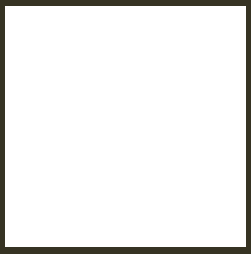
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 21, 10.803, 99.475 Background



This preview shows how black text looks on a background with the CIELCh color 21, 10.803, 99.475.



This preview shows how white text looks on a background with the CIELCh color 21, 10.803, 99.475.

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, 10.803, 99.475

Protanopia
21, 10.394, 93.460

Deuteranopia
21, 10.851, 72.971

Tritanopia
21, 3.857, 348.597

Trichromacy

Original Color
21, 10.803, 99.475

Protanomaly
21, 10.394, 93.460

Deuteranomaly
21, 10.556, 81.728

Tritanomaly
21, 3.619, 67.560

Monochromacy

Original Color
21, 10.803, 99.475

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 4.071, 102.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 10.803, 99.475 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(54, 51, 35) looks like.

```
.text, #text, p{
    color:rgb(54, 51, 35)
}
```

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(54, 51, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 51, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 10.803, 99.475 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(54, 51, 35) }
```

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

```
.border{ border-color:rgb(54, 51, 35) }
```

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

Here you see how a box with a 4 pixel rgb(54, 51, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 51, 35); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 51, 35); box-shadow:4px 4px 4px 4px rgb(54, 51, 35) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 10.803, 99.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(54, 51, 35) }
```

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

```
.background{ background-color:rgb(54, 51,
35) }
```

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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