

Converting Colors

CIELCh(21, 12.242, 44.287)

Have a look what the booklet for
CIELCh(21, 12.242, 44.287) contains.

CIELCh(21, 12.469, 43.420)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(21, 12.469, 43.420)

Conversions

Conversions Part 1

Format	Color
Hex	432D26
RGB	67, 45, 38
RGB Percent	26%, 18%, 15%
CMY	0.7360, 0.8224, 0.8499
CMYK	0.00, 0.33, 0.43, 0.74
HSL	14°, 27%, 21%
HSV	14°, 43%, 26%
XYZ	3.6403, 3.2451, 2.2920
YIQ	50.7800, 15.3590, 2.4870

Conversions

Conversions Part 2

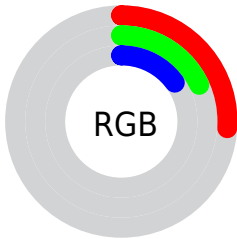
Format	Color
R _Y B	67, 47, 38
Decimal	4402470
CIE Lab	21.00, 9.06, 8.57
CIE LCh	21, 12.469, 43.420
Yxy	3.2451, 0.3967, 0.3536
Android (android.graphics.Color)	4282592550 (0xFF432D26)
YUV	50.7800, -6.3005, 14.2249
Hunter-Lab	18.0142, 4.5459, 5.0662

Details

The CIELCh color **21, 12.469, 43.420** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 9.592, 227.369**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 12.326, 43.625**, and **2, 7.827, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.919, 43.487**, and if you desaturate by 10%, it is **23, 9.236, 43.488**.

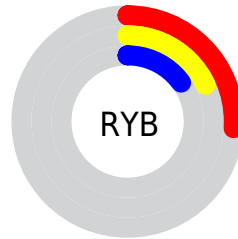
Distribution



Red (26%)

Green (18%)

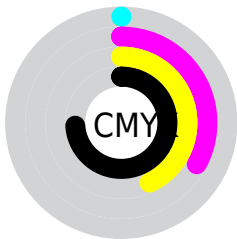
Blue (15%)



Red (26%)

Yellow (18%)

Blue (15%)

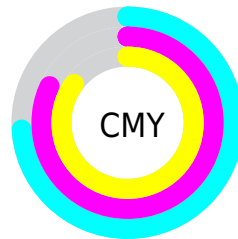


Cyan (0%)

Magenta (33%)

Yellow (43%)

Black (74%)



Cyan (74%)

Magenta (82%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 12.469, 43.420 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, 12.469, 43.420 by changing the saturation by 10% instead.

■ 21, 12.469, 43.420

■ 21, 12.469, 43.420

■ 100, 12.469,
43.420

■ 11, 12.469, 43.420

■ 41, 12.469, 43.420

■ 1, 12.469, 43.420

■ 51, 12.469, 43.420

■ 0, 12.469, 43.420

■ 61, 12.469, 43.420

■ 71, 12.469, 43.420

■ 81, 12.469, 43.420

■ 91, 12.469, 43.420

■ 21, 12.469, 43.420

■ 21, 12.469, 43.420

■ 19, 15.919, 43.487

■ 23, 9.236, 43.488

■ 18, 19.579, 43.688

■ 24, 6.219, 43.649

■ 16, 23.360, 43.890

■ 26, 3.407, 43.876

■ 15, 26.580, 42.757

■ 28, 0.784, 43.961

■ 14, 29.297, 41.104

■ 30, 1.666, 224.794

■ 13, 31.091, 40.426

■ 32, 3.961, 225.120

■ 33, 6.115, 225.535

■ 35, 8.146, 225.978

■ 37, 10.065,
226.434

Harmonies

Complementary

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



21, 12.469, 43.420



24, 9.592, 227.369

Rectangle

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



21, 12.469, 43.420



21, 12.469, 93.420



21, 12.469, 223.420



21, 12.469, 273.420

Sweetspot

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



21, 12.468, 43.426



34, 4.168, 43.867



20, 19.597, 334.311



16, 2.881, 43.841



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



21, 12.468, 43.426



26, 19.292, 43.500



25, 14.421, 91.342



12, 1.401, 43.978



21, 44.520, 43.922



50, 88.836, 44.567

Inverse Universe

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



24, 9.592, 227.369



30, 13.689, 228.763



19, 14.757, 282.133



12, 1.342, 224.849



29, 22.020, 241.386



65, 41.292, 245.099

Previews

White Background



This preview shows how the CIE LCh color 21, 12.469, 43.420 looks on a white background.

Color Contrast Check

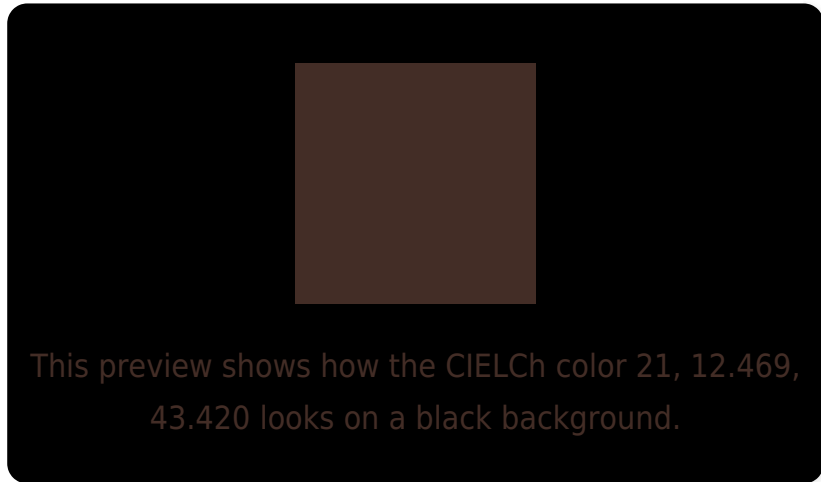
Large Text (above 18pt) WCAG AA ✓ Pass

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

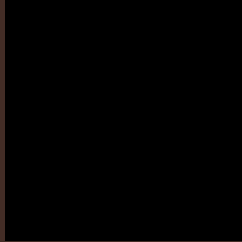
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 12.469, 43.420

Background



This preview shows how black text looks on a background with the CIELCh color 21, 12.469, 43.420.

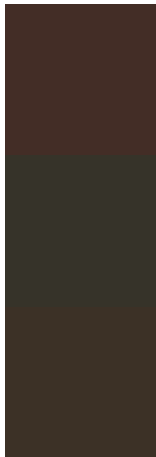


This preview shows how white text looks on a background with the CIELCh color 21, 12.469, 43.420.

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, 12.469, 43.420

Protanopia

21, 6.871, 96.077

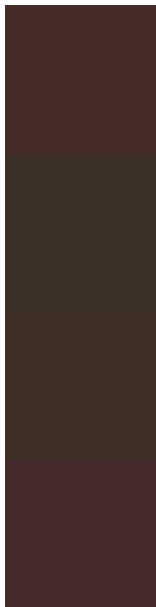
Deuteranopia

21, 9.367, 71.479



Tritanopia
21, 11.890, 12.484

Trichromacy



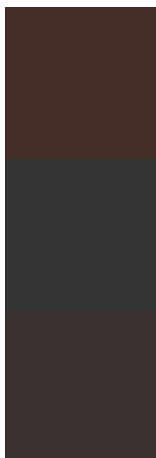
Original Color
21, 12.469, 43.420

Protanomaly
21, 7.940, 69.189

Deuteranomaly
21, 10.357, 60.441

Tritanomaly
21, 11.989, 22.058

Monochromacy



Original Color
21, 12.469, 43.420

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 4.392, 47.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 12.469, 43.420 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(67, 45, 38)` looks like.

```
.text, #text, p{  
    color:rgb(67, 45, 38)  
}
```

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(67, 45, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 45, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 12.469, 43.420 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(67, 45, 38) }
```

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

```
.border{ border-color:rgb(67, 45, 38) }
```

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

Here you see how a box with a 4 pixel rgb(67, 45, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 45, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 45, 38);  
box-shadow:4px 4px 4px 4px rgb(67, 45, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 12.469, 43.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 45, 38) }
```

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

```
.background{ background-color: rgb(67, 45,  
38) }
```

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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