

Converting Colors

CIELCh(21, 15.530, 61.030)

Have a look what the booklet for
CIELCh(21, 15.530, 61.030) contains.

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Color

CIELCh(21, 15.389, 60.994)

Conversions

Conversions Part 1

Format	Color
Hex	432E1F
RGB	67, 46, 31
RGB Percent	26%, 18%, 12%
CMY	0.7373, 0.8196, 0.8785
CMYK	0.00, 0.31, 0.54, 0.74
HSL	25°, 37%, 19%
HSV	25°, 54%, 26%
XYZ	3.5379, 3.2451, 1.7357
YIQ	50.5690, 17.3310, -0.2130

Conversions

Conversions Part 2

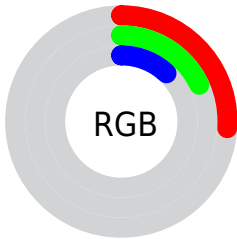
Format	Color
RYB	67, 57, 31
Decimal	4402719
CIELab	21.00, 7.46, 13.46
CIElCh	21, 15.389, 60.994
Yxy	3.2451, 0.4153, 0.3809
Android (android.graphics.Color)	4282592799 (0xFF432E1F)
YUV	50.5690, -9.6475, 14.4100
Hunter-Lab	18.0142, 3.5318, 6.8974

Details

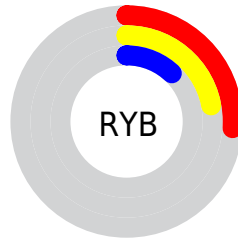
The CIELCh color **21, 15.389, 60.994** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 12.424, 254.050**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 15.274, 62.133**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **20, 18.734, 60.153**, and if you desaturate by 10%, it is **22, 12.188, 61.865**.

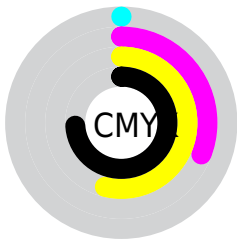
Distribution



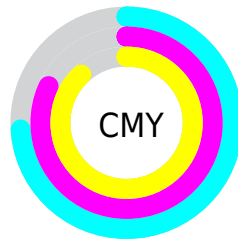
- Red (26%)
- Green (18%)
- Blue (12%)



- Red (26%)
- Yellow (22%)
- Blue (12%)



- Cyan (0%)
- Magenta (31%)
- Yellow (54%)
- Black (74%)



- Cyan (74%)
- Magenta (82%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 15.389, 60.994 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, 15.389, 60.994 by changing the saturation by 10% instead.

■ 21, 15.389, 60.994

■ 21, 15.389, 60.994

■ 100, 15.389,
60.994

■ 11, 15.389, 60.994

■ 41, 15.389, 60.994

■ 1, 15.389, 60.994

■ 51, 15.389, 60.994

■ 0, 15.389, 60.994

■ 61, 15.389, 60.994

■ 71, 15.389, 60.994

■ 81, 15.389, 60.994

■ 91, 15.389, 60.994

■ 21, 15.389, 60.994

■ 21, 15.389, 60.994

■ 20, 18.734, 60.153

■ 22, 12.188, 61.865

■ 19, 22.168, 59.277

■ 24, 9.146, 62.754

■ 17, 25.017, 57.491

■ 25, 6.262, 63.660

■ 16, 27.365, 55.241

■ 26, 3.528, 64.565

■ 16, 28.839, 54.090

■ 28, 0.933, 65.344

■ 29, 1.534, 246.620

■ 31, 3.887, 247.467

■ 32, 6.136, 248.358

■ 34, 8.294, 249.239

Harmonies

Complementary

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



21, 15.389, 60.994



21, 12.424, 254.050

Rectangle

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



21, 15.389, 60.994



21, 15.389, 110.994



21, 15.389, 240.994



21, 15.389, 290.994

Sweetspot

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



21, 15.389, 60.999



34, 5.131, 64.303



18, 21.339, 343.818



16, 3.416, 64.239



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, 15.389, 60.999



26, 23.476, 59.910



27, 20.947, 101.641



12, 1.396, 65.019



24, 41.562, 55.591



56, 80.852, 53.764

Inverse Universe

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



21, 12.424, 254.050



26, 17.879, 257.354



15, 23.333, 293.747



12, 1.360, 246.847



23, 28.522, 271.179



54, 55.937, 275.275

Previews

White Background



This preview shows how the CIE LCh color 21, 15.389, 60.994 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, 15.389, 60.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

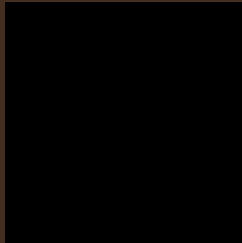
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 15.389, 60.994

Background



This preview shows how black text looks on a background with the CIELCh color 21, 15.389, 60.994.

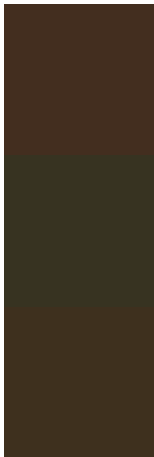


This preview shows how white text looks on a background with the CIELCh color 21, 15.389, 60.994.

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, 15.389, 60.994

Protanopia

21, 12.188, 97.553

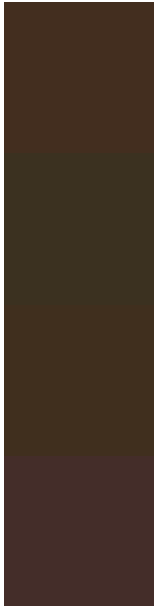
Deuteranopia

21, 14.352, 75.939



Tritanopia
21, 11.890, 12.484

Trichromacy



Original Color

21, 15.389, 60.994

Protanomaly

21, 12.628, 82.840

Deuteranomaly

21, 14.826, 69.607

Tritanomaly

21, 12.099, 34.438

Monochromacy



Original Color

21, 15.389, 60.994

Achromatopsia

21, 0.004, 296.813

Achromatomaly

21, 5.199, 60.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 15.389, 60.994 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, 46, 31)` looks like.

```
.text, #text, p{  
    color:rgb(67, 46, 31)  
}
```

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, 46, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 46, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 15.389, 60.994 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, 46, 31) }
```

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

```
.border{ border-color:rgb(67, 46, 31) }
```

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

Here you see how a box with a 4 pixel rgb(67, 46, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 46, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 46, 31);  
box-shadow:4px 4px 4px 4px rgb(67, 46, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 15.389, 60.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 46, 31) }
```

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

```
.background{ background-color: rgb(67, 46,  
31) }
```

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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