

Converting Colors

CIELCh(21, 13.272, 22.291)

Have a look what the booklet for
CIELCh(21, 13.272, 22.291) contains.

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Color

CIELCh(21, 13.011, 22.289)

Conversions

Conversions Part 1

Format	Color
Hex	462C2C
RGB	70, 44, 44
RGB Percent	27%, 17%, 17%
CMY	0.7269, 0.8287, 0.8287
CMYK	0.00, 0.37, 0.37, 0.73
HSL	360°, 23%, 22%
HSV	360°, 37%, 27%
XYZ	3.8369, 3.2451, 2.7752
YIQ	51.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

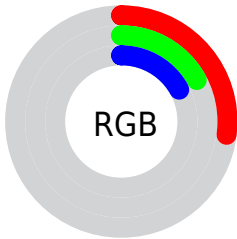
Format	Color
R_{YB}	70, 44, 44
Decimal	4598828
CIE _{Lab}	21.00, 12.04, 4.93
CIE _{LCh}	21, 13.011, 22.289
Yxy	3.2451, 0.3893, 0.3292
Android (android.graphics.Color)	4282788908 (0xFF462C2C)
YUV	51.7740, -3.8326, 15.9842
Hunter-Lab	18.0142, 6.4947, 3.4760

Details

The CIELCh color **21, 13.011, 22.289** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 10.350, 197.781**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **41, 12.834, 23.809**, and **2, 10.608, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 17.011, 23.622**, and if you desaturate by 10%, it is **23, 9.211, 21.243**.

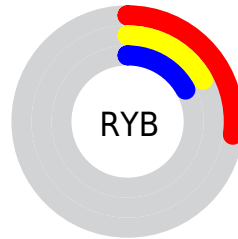
Distribution



Red (27%)

Green (17%)

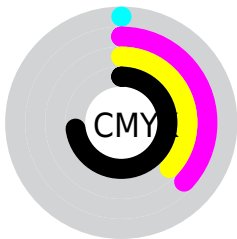
Blue (17%)



Red (27%)

Yellow (17%)

Blue (17%)

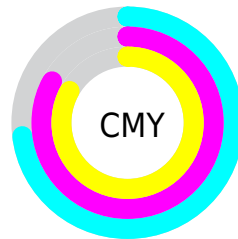


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (73%)



Cyan (73%)

Magenta (83%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 13.011, 22.289 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, 13.011, 22.289 by changing the saturation by 10% instead.

■ 21, 13.011, 22.289

■ 21, 13.011, 22.289

■ 100, 13.011,
22.289

■ 11, 13.011, 22.289

■ 41, 13.011, 22.289

■ 1, 13.011, 22.289

■ 51, 13.011, 22.289

■ 0, 13.011, 22.289

■ 61, 13.011, 22.289

■ 71, 13.011, 22.289

■ 81, 13.011, 22.289

■ 91, 13.011, 22.289

■ 21, 13.011, 22.289

■ 21, 13.011, 22.289

19, 17.011, 23.622

23, 9.211, 21.243

17, 21.166, 25.306

25, 5.637, 20.402

15, 25.395, 27.421

28, 2.295, 19.681

14, 29.323, 29.092

30, 0.824, 199.586

13, 32.391, 29.508

33, 3.733, 198.916

12, 35.257, 29.370

35, 6.450, 198.542

11, 36.070, 29.256

37, 8.994, 198.247

40, 11.384,
198.006

42, 13.637,
197.806

Harmonies

Complementary

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



21, 13.011, 22.289



28, 10.350, 197.781

Rectangle

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



21, 13.011, 22.289



21, 13.011, 72.289



21, 13.011, 202.289



21, 13.011, 252.289

Sweetspot

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



21, 13.010, 22.293



36, 4.420, 19.978



22, 20.414, 325.745



17, 2.932, 20.014



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



21, 13.010, 22.293



26, 20.337, 23.564



25, 10.749, 69.565



13, 1.799, 19.778



19, 49.399, 35.617



47, 95.752, 39.996

Inverse Universe

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



21, 13.010, 22.293



26, 20.337, 23.564



23, 9.703, 258.882



13, 1.799, 19.778



19, 49.399, 35.617



47, 95.752, 39.996

Previews

White Background



This preview shows how the CIE LCh color 21, 13.011, 22.289 looks on a white background.

Color Contrast Check

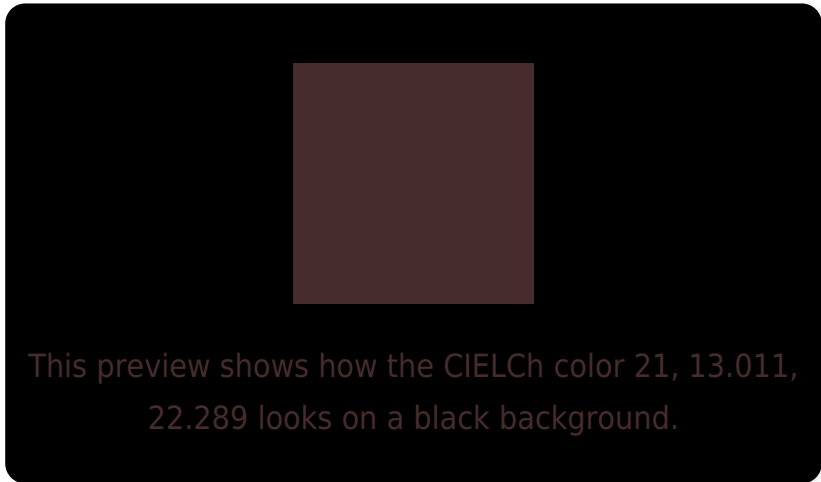
Large Text (above 18pt) WCAG AA ✓ Pass

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

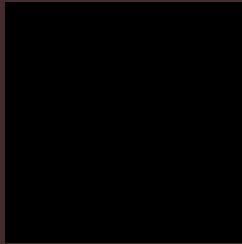
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 13.011, 22.289

Background



This preview shows how black text looks on a background with the CIELCh color 21, 13.011, 22.289.

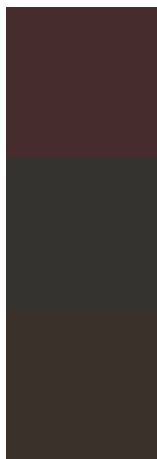


This preview shows how white text looks on a background with the CIELCh color 21, 13.011, 22.289.

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, 13.011, 22.289

Protanopia

21, 2.847, 89.909

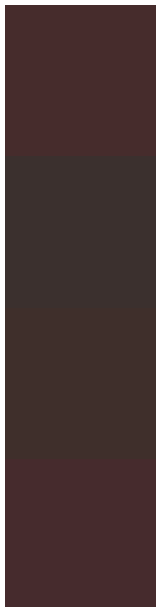
Deuteranopia

21, 6.439, 58.666



Tritanopia
21, 13.415, 14.012

Trichromacy



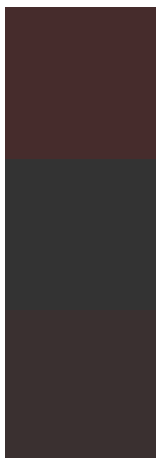
Original Color
21, 13.011, 22.289

Protanomaly
21, 5.551, 34.383

Deuteranomaly
21, 8.504, 39.195

Tritanomaly
21, 13.432, 16.849

Monochromacy



Original Color
21, 13.011, 22.289

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 4.814, 20.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 13.011, 22.289 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(70, 44, 44)` looks like.

```
.text, #text, p{  
    color:rgb(70, 44, 44)  
}
```

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(70, 44, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 44, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 13.011, 22.289 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(70, 44, 44) }
```

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

```
.border{ border-color:rgb(70, 44, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 44, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 44, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 44, 44);  
box-shadow:4px 4px 4px 4px rgb(70, 44, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 13.011, 22.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 44, 44) }
```

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

```
.background{ background-color: rgb(70, 44,  
44) }
```

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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