

Converting Colors

CIELCh(18, 23.888, 43.287)

Have a look what the booklet for
CIELCh(18, 23.888, 43.287) contains.

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Color

CIELCh(18, 23.955, 43.481)

Conversions

Conversions Part 1

Format	Color
Hex	482115
RGB	72, 33, 21
RGB Percent	28%, 13%, 8%
CMY	0.7177, 0.8706, 0.9177
CMYK	0.00, 0.54, 0.71, 0.72
HSL	14°, 55%, 18%
HSV	14°, 71%, 28%
XYZ	3.3499, 2.5180, 1.0183
YIQ	43.2930, 27.0960, 4.5360

Conversions

Conversions Part 2

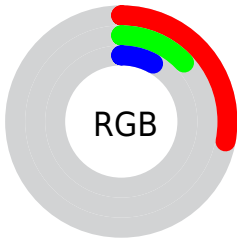
Format	Color
R_{YB}	72, 37, 21
Decimal	4727061
CIE _{Lab}	18.00, 17.38, 16.48
CIE _{LCh}	18, 23.955, 43.481
Yxy	2.5180, 0.4865, 0.3657
Android (android.graphics.Color)	4282917141 (0xFF482115)
YUV	43.2930, -10.9904, 25.1760
Hunter-Lab	15.8683, 9.9128, 7.3032

Details

The CIELCh color **18, 23.955, 43.481** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **23, 14.730, 230.849**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.073, 42.720**, and **1, 6.390, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 27.760, 43.203**, and if you desaturate by 10%, it is **20, 19.910, 43.111**.

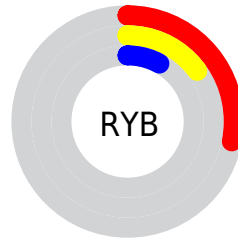
Distribution



Red (28%)

Green (13%)

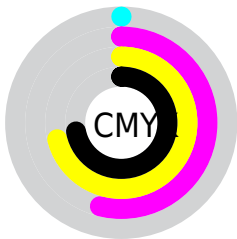
Blue (8%)



Red (28%)

Yellow (15%)

Blue (8%)

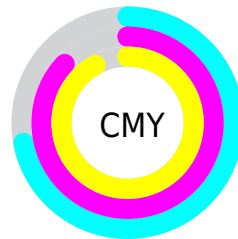


Cyan (0%)

Magenta (54%)

Yellow (71%)

Black (72%)



Cyan (72%)

Magenta (87%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.955, 43.481 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 18, 23.955, 43.481 by changing the saturation by 10% instead.

 18, 23.955, 43.481

 18, 23.955, 43.481

 100, 23.955,
43.481

 8, 23.955, 43.481

 38, 23.955, 43.481

 0, 23.955, 43.481

 48, 23.955, 43.481

 58, 23.955, 43.481

 68, 23.955, 43.481

 78, 23.955, 43.481

 88, 23.955, 43.481

 98, 23.955, 43.481

■ 18, 23.955, 43.481

■ 18, 23.955, 43.481

■ 17, 27.760, 43.203

■ 20, 19.910, 43.111

■ 15, 30.808, 41.728

■ 21, 16.062, 42.890

■ 14, 33.401, 40.871

■ 23, 12.441, 42.814

■ 25, 9.055, 42.864

■ 27, 5.899, 43.013

■ 29, 2.960, 43.220

■ 30, 0.222, 42.463

■ 32, 2.335, 224.097

■ 34, 4.728, 224.442

Harmonies

Complementary

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



18, 23.955, 43.481



23, 14.730, 230.849

Rectangle

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



18, 23.955, 43.481



18, 23.955, 93.481



18, 23.955, 223.481



18, 23.955, 273.481

Sweetspot

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



18, 23.954, 43.484



35, 7.465, 42.995



17, 32.073, 336.329



17, 5.120, 42.971



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



18, 23.954, 43.484



22, 37.540, 44.254



25, 24.867, 87.917



13, 1.498, 43.262



21, 45.723, 43.776



51, 89.872, 44.329

Inverse Universe

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



23, 14.730, 230.849



29, 20.003, 235.240



14, 26.537, 288.479



13, 1.432, 224.099



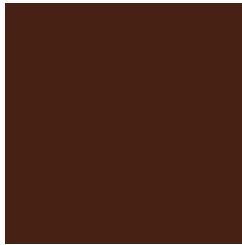
30, 22.333, 240.310



66, 41.392, 243.834

Previews

White Background



This preview shows how the CIE LCh color 18, 23.955, 43.481 looks on a white background.

Color Contrast Check

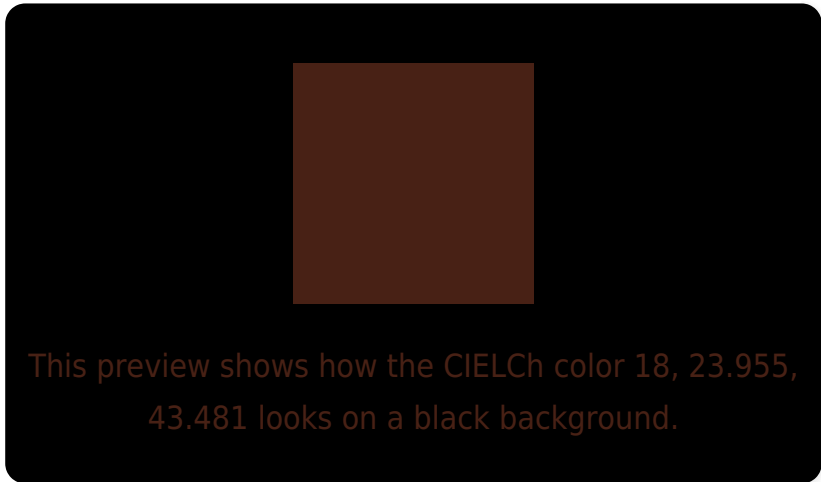
Large Text (above 18pt) WCAG AA ✓ Pass

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

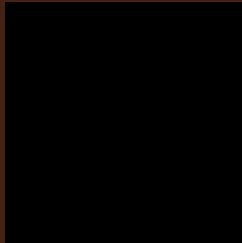
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.955, 43.481

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.955, 43.481.

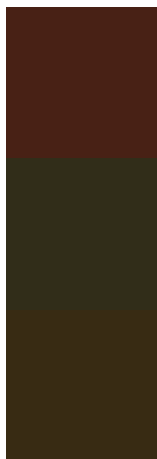


This preview shows how white text looks on a background with the CIELCh color 18, 23.955, 43.481.

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

18, 23.955, 43.481

Protanopia

18, 13.707, 97.691

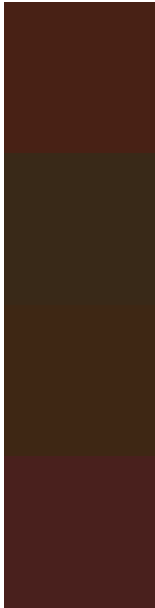
Deuteranopia

18, 17.891, 82.056



Tritanopia
18, 21.672, 20.270

Trichromacy



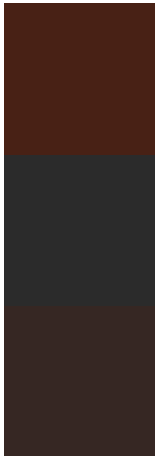
Original Color
18, 23.955, 43.481

Protanomaly
18, 14.832, 70.713

Deuteranomaly
18, 18.794, 63.367

Tritanomaly
18, 22.196, 30.212

Monochromacy



Original Color
18, 23.955, 43.481

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 8.304, 40.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.955, 43.481 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(72, 33, 21)` looks like.

```
.text, #text, p{  
    color:rgb(72, 33, 21)  
}
```

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(72, 33, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 33, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.955, 43.481 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(72, 33, 21) }
```

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

```
.border{ border-color:rgb(72, 33, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 33, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 33, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 33, 21);  
box-shadow:4px 4px 4px 4px rgb(72, 33, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.955, 43.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 33, 21) }
```

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

```
.background{ background-color: rgb(72, 33,  
21) }
```

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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