

Converting Colors

CIELCh(23, 22.687, 43.153)

Have a look what the booklet for
CIELCh(23, 22.687, 43.153) contains.

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Color

CIELCh(23, 22.783, 43.170)

Conversions

Conversions Part 1

Format	Color
Hex	532C20
RGB	83, 44, 32
RGB Percent	33%, 17%, 13%
CMY	0.6726, 0.8258, 0.8730
CMYK	0.00, 0.47, 0.61, 0.67
HSL	14°, 44%, 23%
HSV	14°, 61%, 33%
XYZ	4.7926, 3.8003, 1.8758
YIQ	54.2930, 27.0960, 4.5360

Conversions

Conversions Part 2

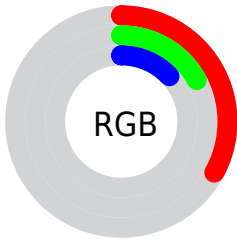
Format	Color
RYB	83, 48, 32
Decimal	5450784
CIELab	23.00, 16.62, 15.59
CIELCh	23, 22.783, 43.170
Yxy	3.8003, 0.4578, 0.3630
Android (android.graphics.Color)	4283640864 (0xFF532C20)
YUV	54.2930, -10.9904, 25.1760
Hunter-Lab	19.4944, 9.7678, 7.9411

Details

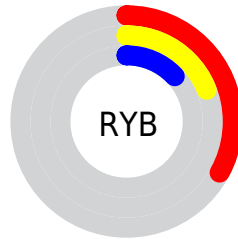
The CIELCh color **23, 22.783, 43.170** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **28, 14.996, 229.294**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 22.878, 43.036**, and **3, 16.116, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **21, 27.390, 43.582**, and if you desaturate by 10%, it is **25, 18.390, 42.922**.

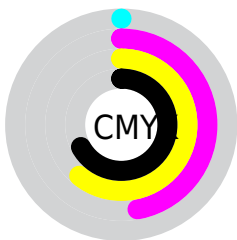
Distribution



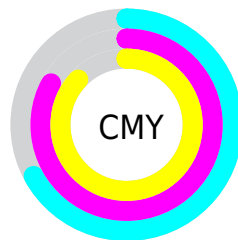
- Red (33%)
- Green (17%)
- Blue (13%)



- Red (33%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (47%)
- Yellow (61%)
- Black (67%)



- Cyan (67%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 22.783, 43.170 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 23, 22.783, 43.170 by changing the saturation by 10% instead.

■ 23, 22.783, 43.170

■ 23, 22.783, 43.170

■ 100, 22.783,
43.170

■ 13, 22.783, 43.170

■ 43, 22.783, 43.170

■ 3, 22.783, 43.170

■ 53, 22.783, 43.170

■ 0, 22.783, 43.170

■ 63, 22.783, 43.170

■ 73, 22.783, 43.170

■ 83, 22.783, 43.170

■ 93, 22.783, 43.170

■ 23, 22.783, 43.170

■ 23, 22.783, 43.170

■ 21, 27.390, 43.582

■ 25, 18.390, 42.922

■ 20, 32.033, 43.956

■ 27, 14.258, 42.825

■ 18, 35.770, 43.027

■ 29, 10.398, 42.863

■ 17, 38.711, 42.421

■ 31, 6.804, 43.008

■ 33, 3.463, 43.218

■ 35, 0.355, 42.821

■ 37, 2.542, 224.104

■ 40, 5.248, 224.457

■ 42, 7.786, 224.875

Harmonies

Complementary

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



23, 22.783, 43.170



28, 14.996, 229.294

Rectangle

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



23, 22.783, 43.170



23, 22.783, 93.170



23, 22.783, 223.170



23, 22.783, 273.170

Sweetspot

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



23, 22.782, 43.174



41, 7.169, 43.058



21, 32.156, 335.704



20, 5.058, 43.020



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



23, 22.782, 43.174



28, 35.635, 43.803



30, 24.446, 88.946



15, 1.681, 43.268



22, 47.873, 44.081



52, 91.428, 44.298

Inverse Universe

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



28, 14.996, 229.294



36, 20.757, 232.309



20, 25.649, 286.399



16, 1.604, 224.121



31, 23.159, 240.618



68, 42.108, 243.918

Previews

White Background



This preview shows how the CIE LCh color 23, 22.783, 43.170 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 23, 22.783, 43.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

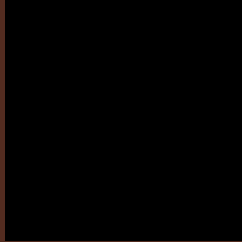
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.783, 43.170

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.783, 43.170.

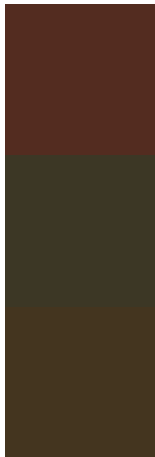


This preview shows how white text looks on a background with the CIELCh color 23, 22.783, 43.170.

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

23, 22.783, 43.170

Protanopia

23, 12.155, 95.393

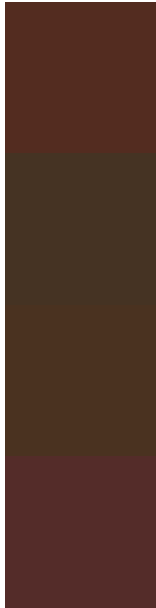
Deuteranopia

23, 16.702, 78.479



Tritanopia
23, 20.341, 18.690

Trichromacy



Original Color
23, 22.783, 43.170

Protanomaly
23, 14.424, 66.964

Deuteranomaly
23, 17.851, 61.863

Tritanomaly
23, 20.655, 29.193

Monochromacy



Original Color
23, 22.783, 43.170

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 7.415, 41.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 22.783, 43.170 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(83, 44, 32)` looks like.

```
.text, #text, p{  
    color:rgb(83, 44, 32)  
}
```

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(83, 44, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 44, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.783, 43.170 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(83, 44, 32) }
```

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

```
.border{ border-color:rgb(83, 44, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 44, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 44, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 44, 32);  
box-shadow:4px 4px 4px 4px rgb(83, 44, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.783, 43.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 44, 32) }
```

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

```
.background{ background-color: rgb(83, 44,  
32) }
```

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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