

Converting Colors

CIELCh(23, 21.949, 19.620)

Have a look what the booklet for
CIELCh(23, 21.949, 19.620) contains.

CIELCh(23, 21.881, 19.522)	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(23, 21.881, 19.522)

Conversions

Conversions Part 1

Format	Color
Hex	562A2D
RGB	86, 42, 45
RGB Percent	34%, 16%, 18%
CMY	0.6635, 0.8360, 0.8242
CMYK	0.00, 0.51, 0.48, 0.66
HSL	356°, 34%, 25%
HSV	356°, 51%, 34%
XYZ	5.1113, 3.8003, 2.9295
YIQ	55.4980, 25.2610, 10.2610

Conversions

Conversions Part 2

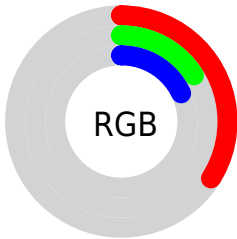
Format	Color
RYB	86, 42, 45
Decimal	5646893
CIELab	23.00, 20.62, 7.31
CIELCh	23, 21.881, 19.522
Yxy	3.8003, 0.4317, 0.3209
Android (android.graphics.Color)	4283836973 (0xFF562A2D)
YUV	55.4980, -5.1755, 26.7503
Hunter-Lab	19.4944, 12.6859, 4.7364

Details

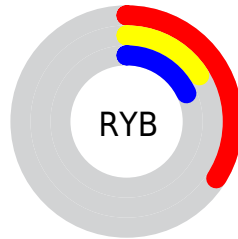
The CIELCh color **23, 21.881, 19.522** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 16.300, 190.458**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 21.732, 19.398**, and **4, 19.367, 19.422** is the 20% darker color. If you saturate the color by 10%, you get **21, 26.630, 21.635**, and if you desaturate by 10%, it is **25, 17.196, 17.843**.

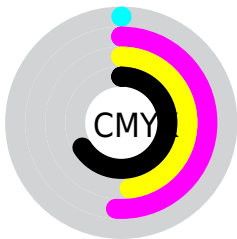
Distribution



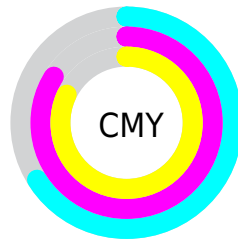
- Red (34%)
- Green (16%)
- Blue (18%)



- Red (34%)
- Yellow (16%)
- Blue (18%)



- Cyan (0%)
- Magenta (51%)
- Yellow (48%)
- Black (66%)



- Cyan (66%)
- Magenta (84%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 21.881, 19.522 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, 21.881, 19.522 by changing the saturation by 10% instead.

■ 23, 21.881, 19.522

■ 23, 21.881, 19.522

■ 100, 21.881,
19.522

■ 13, 21.881, 19.522

■ 43, 21.881, 19.522

■ 3, 21.881, 19.522

■ 53, 21.881, 19.522

■ 0, 21.881, 19.522

■ 63, 21.881, 19.522

■ 73, 21.881, 19.522

■ 83, 21.881, 19.522

■ 93, 21.881, 19.522

■ 23, 21.881, 19.522

■ 23, 21.881, 19.522

21, 26.630, 21.635

25, 17.196, 17.843

19, 31.325, 24.269

28, 12.670, 16.496

17, 35.827, 27.482

31, 8.358, 15.403

16, 39.555, 29.989

33, 4.287, 14.487

15, 42.332, 30.619

36, 0.463, 13.191

39, 3.121, 193.310

42, 6.481, 192.742

45, 9.635, 192.282

48, 12.605,
191.889

Harmonies

Complementary

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



23, 21.881, 19.522



33, 16.300, 190.458

Rectangle

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



23, 21.881, 19.522



23, 21.881, 69.522



23, 21.881, 199.522



23, 21.881, 249.522

Sweetspot

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



23, 21.880, 19.525



42, 7.228, 14.861



24, 32.393, 324.399



20, 4.897, 14.974



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, 21.880, 19.525



28, 33.766, 22.333



28, 18.008, 61.033



16, 2.133, 14.275



21, 51.142, 33.837



49, 95.439, 37.873

Inverse Universe

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



23, 21.880, 19.525



28, 33.766, 22.333



27, 14.568, 253.938



16, 2.133, 14.275



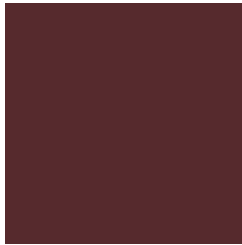
21, 51.142, 33.837



49, 95.439, 37.873

Previews

White Background



This preview shows how the CIELCh color 23, 21.881, 19.522 looks on a white background.

Color Contrast Check

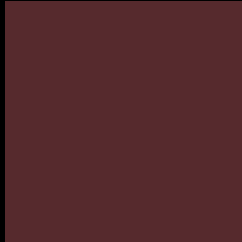
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 23, 21.881, 19.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

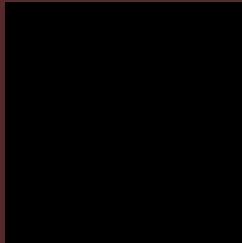
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 21.881, 19.522

Background



This preview shows how black text looks on a background with the CIELCh color 23, 21.881, 19.522.

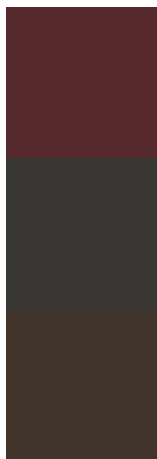


This preview shows how white text looks on a background with the CIELCh color 23, 21.881, 19.522.

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, 21.881, 19.522

Protanopia

23, 2.195, 84.420

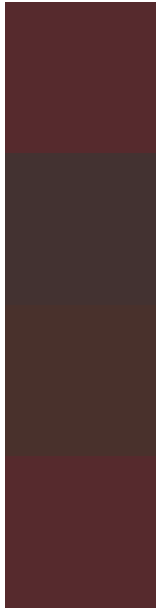
Deuteranopia

23, 9.034, 66.900



Tritanopia
23, 21.881, 19.522

Trichromacy



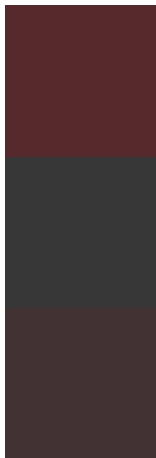
Original Color
23, 21.881, 19.522

Protanomaly
23, 8.320, 25.589

Deuteranomaly
23, 12.652, 36.691

Tritanomaly
23, 21.881, 19.522

Monochromacy



Original Color
23, 21.881, 19.522

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 7.713, 16.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 21.881, 19.522 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(86, 42, 45)` looks like.

```
.text, #text, p{  
    color:rgb(86, 42, 45)  
}
```

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(86, 42, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 42, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 21.881, 19.522 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(86, 42, 45) }
```

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

```
.border{ border-color:rgb(86, 42, 45) }
```

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

Here you see how a box with a 4 pixel rgb(86, 42, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 42, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 42, 45);  
box-shadow:4px 4px 4px 4px rgb(86, 42, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 21.881, 19.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 42, 45) }
```

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

```
.background{ background-color: rgb(86, 42,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor