

Converting Colors

CIELCh(23, 6.826, 20.243)

Have a look what the booklet for
CIELCh(23, 6.826, 20.243) contains.

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Color

CIELCh(23, 7.198, 15.589)

Conversions

Conversions Part 1

Format	Color
Hex	423334
RGB	66, 51, 52
RGB Percent	26%, 20%, 20%
CMY	0.7404, 0.7992, 0.7953
CMYK	0.00, 0.23, 0.21, 0.74
HSL	356°, 13%, 23%
HSV	356°, 23%, 26%
XYZ	4.0777, 3.8003, 3.7910
YIQ	55.5990, 8.6190, 3.4910

Conversions

Conversions Part 2

Format	Color
R_{YB}	66, 51, 52
Decimal	4338484
CIE Lab	23.00, 6.93, 1.93
CIE LCh	23, 7.198, 15.589
Yxy	3.8003, 0.3494, 0.3257
Android (android.graphics.Color)	4282528564 (0xFF423334)
YUV	55.5990, -1.7743, 9.1217
Hunter-Lab	19.4944, 3.2222, 2.1163

Details

The CIELCh color **23, 7.198, 15.589** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 6.419, 192.524**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 7.275, 15.614**, and **3, 6.975, 16.087** is the 20% darker color. If you saturate the color by 10%, you get **21, 10.680, 16.649**, and if you desaturate by 10%, it is **25, 3.901, 14.710**.

Distribution



Red (26%)

Green (20%)

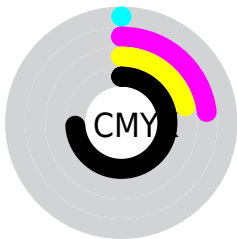
Blue (20%)



Red (26%)

Yellow (20%)

Blue (20%)



Cyan (0%)

Magenta (23%)

Yellow (21%)

Black (74%)



Cyan (74%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 7.198, 15.589 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, 7.198, 15.589 by changing the saturation by 10% instead.

■ 23, 7.198, 15.589

■ 23, 7.198, 15.589

■ 100, 7.198, 15.589

■ 13, 7.198, 15.589

■ 43, 7.198, 15.589

■ 3, 7.198, 15.589

■ 53, 7.198, 15.589

■ 0, 7.198, 15.589

■ 63, 7.198, 15.589

■ 73, 7.198, 15.589

■ 83, 7.198, 15.589

■ 93, 7.198, 15.589

■ 23, 7.198, 15.589

■ 23, 7.198, 15.589

■ 21, 10.680, 16.649

■ 25, 3.901, 14.710

19, 14.330, 17.937

27, 0.797, 13.751

17, 18.104, 19.531

30, 2.120, 193.580

15, 21.937, 21.515

32, 4.860, 193.004

14, 25.734, 23.936

34, 7.438, 192.547

12, 29.055, 25.535

37, 9.869, 192.157

11, 31.824, 25.845

39, 12.166,
191.817

10, 33.912, 25.414

41, 14.345,
191.517

44, 16.417,
191.250

Harmonies

Complementary

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



23, 7.198, 15.589



27, 6.419, 192.524

Rectangle

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



23, 7.198, 15.589



23, 7.198, 65.589



23, 7.198, 195.589



23, 7.198, 245.589

Sweetspot

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



23, 7.197, 15.596



35, 2.653, 14.264



23, 11.759, 323.639



16, 1.697, 14.266



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 7.197, 15.596



29, 10.903, 16.149



25, 5.933, 65.644



12, 1.693, 14.367



18, 47.013, 32.599



47, 92.268, 37.851

Inverse Universe

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



23, 7.197, 15.596



29, 10.903, 16.149



25, 5.505, 250.542



12, 1.693, 14.367



18, 47.013, 32.599



47, 92.268, 37.851

Previews

White Background



This preview shows how the CIELCh color 23, 7.198, 15.589 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, 7.198, 15.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

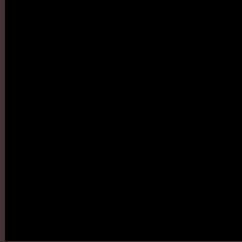
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 7.198, 15.589

Background



This preview shows how black text looks on a background with the CIELCh color 23, 7.198, 15.589.

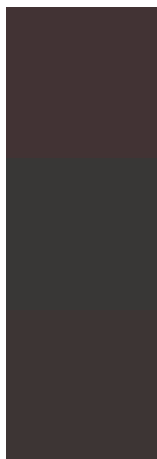


This preview shows how white text looks on a background with the CIELCh color 23, 7.198, 15.589.

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, 7.198, 15.589

Protanopia

23, 0.803, 74.866

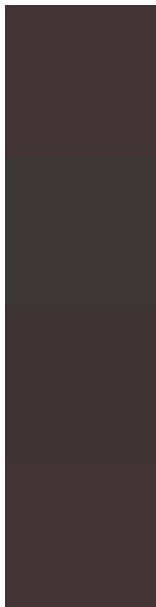
Deuteranopia

23, 3.849, 29.976



Tritanopia
23, 7.967, 1.684

Trichromacy



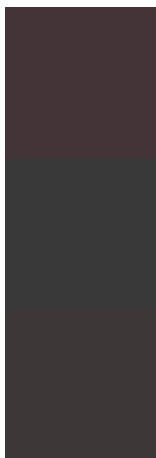
Original Color
23, 7.198, 15.589

Protanomaly
23, 2.895, 33.075

Deuteranomaly
23, 5.234, 20.402

Tritanomaly
23, 7.816, 6.337

Monochromacy



Original Color
23, 7.198, 15.589

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 2.870, 6.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 7.198, 15.589 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(66, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(66, 51, 52)  
}
```

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(66, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 51, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 7.198, 15.589 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(66, 51, 52) }
```

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

```
.border{ border-color:rgb(66, 51, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 51, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(66, 51, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 7.198, 15.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 51, 52) }
```

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

```
.background{ background-color: rgb(66, 51,  
52) }
```

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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