

Converting Colors

CIELCh(23, 3.740, 10.728)

Have a look what the booklet for
CIELCh(23, 3.740, 10.728) contains.

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Color

CIELCh(23, 3.807, 10.076)

Conversions

Conversions Part 1

Format	Color
Hex	3D3536
RGB	61, 53, 54
RGB Percent	24%, 21%, 21%
CMY	0.7609, 0.7923, 0.7884
CMYK	0.00, 0.13, 0.11, 0.76
HSL	353°, 7%, 22%
HSV	353°, 13%, 24%
XYZ	3.8591, 3.8003, 4.0162
YIQ	55.5060, 4.4470, 2.0070

Conversions

Conversions Part 2

Format	Color
RYB	61, 53, 54
Decimal	4011318
CIELab	23.00, 3.75, 0.67
CIELCh	23, 3.807, 10.076
Yxy	3.8003, 0.3305, 0.3255
Android (android.graphics.Color)	4282201398 (0xFF3D3536)
YUV	55.5060, -0.7425, 4.8182
Hunter-Lab	19.4944, 1.2209, 1.4314

Details

The CIELCh color **23, 3.807, 10.076** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 3.602, 188.281**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 3.407, 9.627**, and **3, 3.828, 7.231** is the 20% darker color. If you saturate the color by 10%, you get **21, 6.888, 11.033**, and if you desaturate by 10%, it is **25, 0.881, 9.104**.

Distribution



Red (24%)

Green (21%)

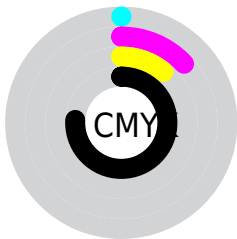
Blue (21%)



Red (24%)

Yellow (21%)

Blue (21%)



Cyan (0%)

Magenta (13%)

Yellow (11%)

Black (76%)



Cyan (76%)

Magenta (79%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 3.807, 10.076 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, 3.807, 10.076 by changing the saturation by 10% instead.

■ 23, 3.807, 10.076 ■ 23, 3.807, 10.076

■ 100, 3.807, 10.076 ■ 13, 3.807, 10.076

■ 43, 3.807, 10.076 ■ 3, 3.807, 10.076

■ 53, 3.807, 10.076 ■ 0, 3.807, 10.076

■ 63, 3.807, 10.076

■ 73, 3.807, 10.076

■ 83, 3.807, 10.076

■ 93, 3.807, 10.076

■ 23, 3.807, 10.076 ■ 23, 3.807, 10.076

■ 21, 6.888, 11.033 ■ 25, 0.881, 9.104

19, 10.116, 12.138

27, 1.887, 188.810

17, 13.466, 13.463

29, 4.505, 188.151

15, 16.894, 15.075

31, 6.981, 187.614

14, 20.335, 17.055

34, 9.328, 187.145

12, 23.698, 19.464

36, 11.557,
186.727

11, 26.673, 21.229

38, 13.679,
186.350

10, 29.356, 21.603

9, 31.278, 20.952

40, 15.705,
186.008

42, 17.644,
185.696

Harmonies

Complementary

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



23, 3.807, 10.076



25, 3.602, 188.281

Rectangle

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



23, 3.807, 10.076



23, 3.807, 60.076



23, 3.807, 190.076



23, 3.807, 240.076

Sweetspot

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



23, 3.806, 10.086



33, 1.407, 9.247



23, 6.204, 321.283



16, 1.010, 9.294



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 3.806, 10.086



29, 5.820, 10.413



24, 3.072, 58.728



10, 1.595, 9.670



18, 44.949, 29.721



46, 88.481, 35.077

Inverse Universe

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



23, 3.806, 10.086



29, 5.820, 10.413



24, 2.916, 241.063



10, 1.595, 9.670



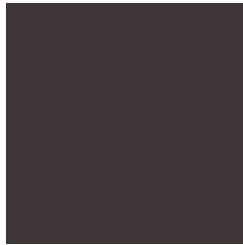
18, 44.949, 29.721



46, 88.481, 35.077

Previews

White Background



This preview shows how the CIE LCh color 23, 3.807, 10.076 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, 3.807, 10.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

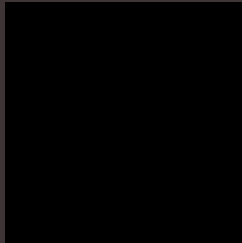
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 3.807, 10.076

Background



This preview shows how black text looks on a background with the CIELCh color 23, 3.807, 10.076.

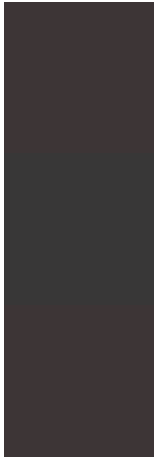


This preview shows how white text looks on a background with the CIELCh color 23, 3.807, 10.076.

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, 3.807, 10.076

Protanopia

23, 0.460, 19.007

Deuteranopia

23, 3.807, 10.076



Tritanopia
23, 4.556, 344.571

Trichromacy



Original Color

23, 3.807, 10.076

Protanomaly

23, 1.971, 359.964

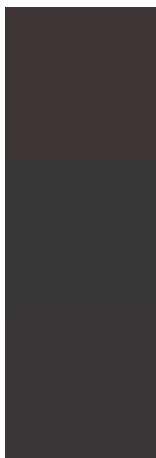
Deuteranomaly

23, 3.807, 10.076

Tritanomaly

23, 4.215, 351.993

Monochromacy



Original Color

23, 3.807, 10.076

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 1.542, 353.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 3.807, 10.076 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(61, 53, 54)` looks like.

```
.text, #text, p{  
    color:rgb(61, 53, 54)  
}
```

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(61, 53, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 53, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 3.807, 10.076 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(61, 53, 54) }
```

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

```
.border{ border-color:rgb(61, 53, 54) }
```

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

Here you see how a box with a 4 pixel rgb(61, 53, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 53, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 53, 54);  
box-shadow:4px 4px 4px 4px rgb(61, 53, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 3.807, 10.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 53, 54) }
```

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

```
.background{ background-color: rgb(61, 53,  
54) }
```

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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