

Converting Colors

CIELCh(23, 4.050, 29.920)

Have a look what the booklet for
CIELCh(23, 4.050, 29.920) contains.

CIELCh(23, 3.849, 29.976)	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, 3.849, 29.976)

Conversions

Conversions Part 1

Format	Color
Hex	3D3534
RGB	61, 53, 52
RGB Percent	24%, 21%, 20%
CMY	0.7604, 0.7917, 0.7957
CMYK	0.00, 0.13, 0.15, 0.76
HSL	7°, 8%, 22%
HSV	7°, 15%, 24%
XYZ	3.8313, 3.8003, 3.7929
YIQ	55.2780, 5.0890, 1.3850

Conversions

Conversions Part 2

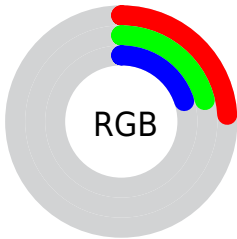
Format	Color
RYB	61, 53, 52
Decimal	4011316
CIELab	23.00, 3.33, 1.92
CIELCh	23, 3.849, 29.976
Yxy	3.8003, 0.3354, 0.3326
Android (android.graphics.Color)	4282201396 (0xFF3D3534)
YUV	55.2780, -1.6161, 5.0182
Hunter-Lab	19.4944, 0.9660, 2.1103

Details

The CIELCh color **23, 3.849, 29.976** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 3.539, 209.677**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 3.585, 39.215**, and **3, 3.806, 31.628** is the 20% darker color. If you saturate the color by 10%, you get **21, 6.698, 30.352**, and if you desaturate by 10%, it is **25, 1.193, 29.626**.

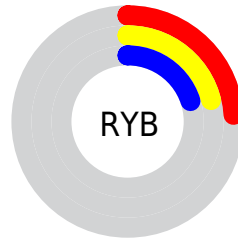
Distribution



Red (24%)

Green (21%)

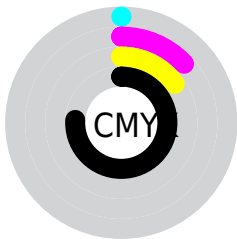
Blue (20%)



Red (24%)

Yellow (21%)

Blue (20%)

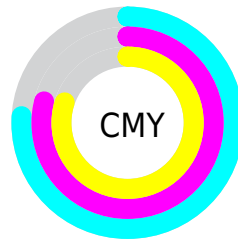


Cyan (0%)

Magenta (13%)

Yellow (15%)

Black (76%)



Cyan (76%)

Magenta (79%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 3.849, 29.976 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, 3.849, 29.976 by changing the saturation by 10% instead.

■ 23, 3.849, 29.976 ■ 23, 3.849, 29.976

■ 100, 3.849, 29.976 ■ 13, 3.849, 29.976

■ 43, 3.849, 29.976 ■ 3, 3.849, 29.976

■ 53, 3.849, 29.976 ■ 0, 3.849, 29.976

■ 63, 3.849, 29.976

■ 73, 3.849, 29.976

■ 83, 3.849, 29.976

■ 93, 3.849, 29.976

■ 23, 3.849, 29.976 ■ 23, 3.849, 29.976

■ 21, 6.698, 30.352 ■ 25, 1.193, 29.626

19, 9.751, 30.839	27, 1.283, 209.879
18, 13.008, 31.499	29, 3.593, 209.689
16, 16.459, 32.373	31, 5.753, 209.646
14, 20.078, 33.502	33, 7.779, 209.658
13, 23.471, 33.689	35, 9.686, 209.706
12, 26.305, 32.651	37, 11.485, 209.779
11, 28.767, 31.983	39, 13.190, 209.870
10, 30.026, 31.801	41, 14.811, 209.976

Harmonies

Complementary

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



23, 3.849, 29.976



25, 3.539, 209.677

Rectangle

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



23, 3.849, 29.976



23, 3.849, 79.976



23, 3.849, 209.976



23, 3.849, 259.976

Sweetspot

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



23, 3.848, 29.990



33, 1.247, 29.590



23, 6.789, 327.992



16, 0.896, 29.617



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, 3.848, 29.990



29, 5.914, 30.125



24, 3.942, 83.765



10, 1.419, 29.788



18, 45.543, 38.265



47, 92.369, 41.189

Inverse Universe

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



25, 3.539, 209.677



32, 5.303, 209.652



23, 3.893, 267.202



11, 1.355, 209.768



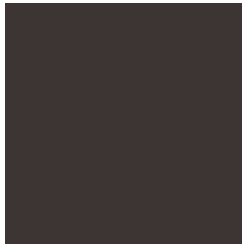
32, 21.499, 215.043



73, 39.829, 216.753

Previews

White Background



This preview shows how the CIELCh color 23, 3.849, 29.976 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, 3.849, 29.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

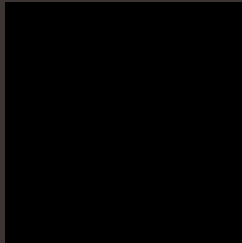
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 3.849, 29.976

Background



This preview shows how black text looks on a background with the CIELCh color 23, 3.849, 29.976.

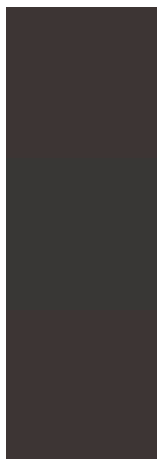


This preview shows how white text looks on a background with the CIELCh color 23, 3.849, 29.976.

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

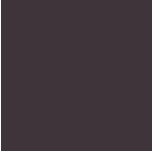
23, 3.849, 29.976

Protanopia

23, 1.402, 90.494

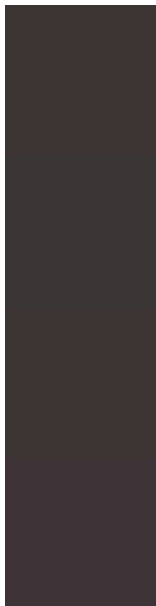
Deuteranopia

23, 3.849, 29.976



Tritanopia
23, 5.697, 344.819

Trichromacy



Original Color

23, 3.849, 29.976

Protanomaly

23, 1.981, 39.219

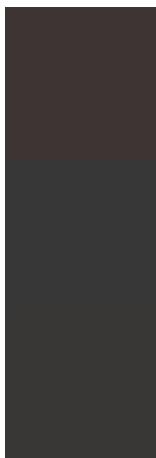
Deuteranomaly

23, 3.849, 29.976

Tritanomaly

23, 5.077, 357.296

Monochromacy



Original Color

23, 3.849, 29.976

Achromatopsia

23, 0.004, 296.813

Achromatomaly

23, 1.391, 19.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 3.849, 29.976 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(61, 53, 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(61, 53, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 53, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 3.849, 29.976 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, 52) }
```

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

```
.border{ border-color:rgb(61, 53, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 53, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 53, 52);  
box-shadow:4px 4px 4px 4px rgb(61, 53, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 3.849, 29.976 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, 52) }
```

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

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