

Converting Colors

CIELCh(23, 3.909, 51.639)

Have a look what the booklet for
CIELCh(23, 3.909, 51.639) contains.

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Color

CIELCh(23, 3.913, 62.389)

Conversions

Conversions Part 1

Format	Color
Hex	3C3632
RGB	60, 54, 50
RGB Percent	24%, 21%, 20%
CMY	0.7656, 0.7891, 0.8048
CMYK	0.00, 0.10, 0.17, 0.77
HSL	24°, 9%, 21%
HSV	24°, 17%, 23%
XYZ	3.7303, 3.8003, 3.5302
YIQ	55.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

Format	Color
RYB	60, 57, 50
Decimal	3946034
CIELab	23.00, 1.81, 3.47
CIElCh	23, 3.913, 62.389
Yxy	3.8003, 0.3373, 0.3436
Android (android.graphics.Color)	4282136114 (0xFF3C3632)
YUV	55.3380, -2.6316, 4.0886
Hunter-Lab	19.4944, 0.0408, 2.9093

Details

The CIELCh color **23, 3.913, 62.389** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 3.685, 245.653**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 3.925, 69.165**, and **3, 3.916, 65.512** is the 20% darker color. If you saturate the color by 10%, you get **22, 6.428, 61.562**, and if you desaturate by 10%, it is **24, 1.530, 63.203**.

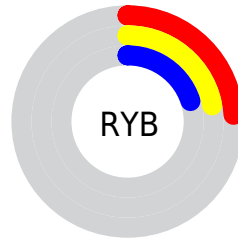
Distribution



Red (24%)

Green (21%)

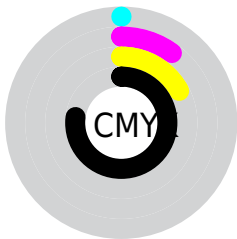
Blue (20%)



Red (24%)

Yellow (22%)

Blue (20%)

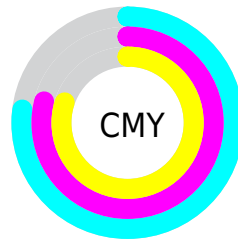


Cyan (0%)

Magenta (10%)

Yellow (17%)

Black (77%)



Cyan (77%)

Magenta (79%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 3.913, 62.389 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, 3.913, 62.389 by changing the saturation by 10% instead.

■ 23, 3.913, 62.389

■ 23, 3.913, 62.389

■ 100, 3.913, 62.389

■ 13, 3.913, 62.389

■ 43, 3.913, 62.389

■ 3, 3.913, 62.389

■ 53, 3.913, 62.389

■ 0, 3.913, 62.389

■ 63, 3.913, 62.389

■ 73, 3.913, 62.389

■ 83, 3.913, 62.389

■ 93, 3.913, 62.389

■ 23, 3.913, 62.389

■ 23, 3.913, 62.389

■ 22, 6.428, 61.562

■ 24, 1.530, 63.203

■ 20, 9.085, 60.731	■ 26, 0.732, 244.464
■ 19, 11.889, 59.925	■ 27, 2.885, 245.147
■ 18, 14.841, 59.150	■ 28, 4.939, 245.986
■ 17, 17.925, 58.400	■ 30, 6.906, 246.828
■ 16, 20.688, 56.916	■ 31, 8.793, 247.657
■ 15, 22.845, 54.454	■ 32, 10.611, 248.467
■ 14, 24.900, 52.265	■ 34, 12.365, 249.254
■ 13, 25.577, 51.665	■ 35, 14.065, 250.017

Harmonies

Complementary

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



23, 3.913, 62.389



23, 3.685, 245.653

Rectangle

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



23, 3.913, 62.389



23, 3.913, 112.389



23, 3.913, 242.389



23, 3.913, 292.389

Sweetspot

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



23, 3.913, 62.404



32, 1.393, 63.298



22, 6.130, 339.719



15, 0.933, 63.287



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 3.913, 62.404



29, 5.817, 62.055



25, 5.924, 104.287



11, 1.295, 63.076



23, 40.777, 54.236



55, 80.871, 52.679

Inverse Universe

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



23, 3.685, 245.653



29, 5.387, 246.141



21, 6.078, 287.475



11, 1.260, 244.809



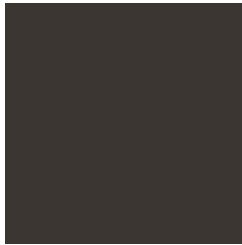
23, 27.075, 268.718



54, 53.568, 273.023

Previews

White Background



This preview shows how the CIELCh color 23, 3.913, 62.389 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, 3.913, 62.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

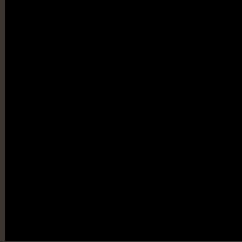
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 3.913, 62.389

Background



This preview shows how black text looks on a background with the CIELCh color 23, 3.913, 62.389.

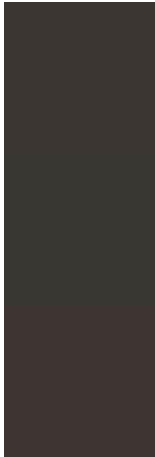


This preview shows how white text looks on a background with the CIELCh color 23, 3.913, 62.389.

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, 3.913, 62.389

Protanopia

23, 3.448, 93.453

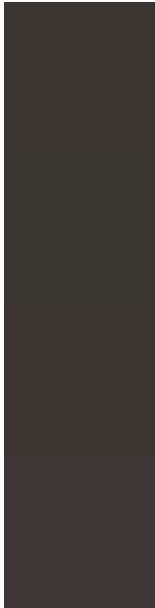
Deuteranopia

23, 4.771, 44.701



Tritanopia
23, 4.556, 344.571

Trichromacy



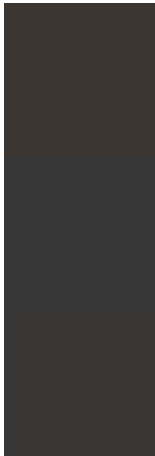
Original Color
23, 3.913, 62.389

Protanomaly
23, 3.607, 86.121

Deuteranomaly
23, 4.329, 47.344

Tritanomaly
23, 3.807, 10.076

Monochromacy



Original Color
23, 3.913, 62.389

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 1.615, 74.599

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 3.913, 62.389 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(60, 54, 50)` looks like.

```
.text, #text, p{  
    color:rgb(60, 54, 50)  
}
```

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(60, 54, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 54, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 3.913, 62.389 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(60, 54, 50) }
```

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

```
.border{ border-color:rgb(60, 54, 50) }
```

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

Here you see how a box with a 4 pixel rgb(60, 54, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 54, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 54, 50);  
box-shadow:4px 4px 4px 4px rgb(60, 54, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 3.913, 62.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 54, 50) }
```

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

```
.background{ background-color: rgb(60, 54,  
50) }
```

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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