

Converting Colors

CIELCh(23, 22.762, 101.647)

Have a look what the booklet for
CIELCh(23, 22.762, 101.647)
contains.

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Color

CIELCh(23, 22.951, 101.022)

Conversions

Conversions Part 1

Format	Color
Hex	3B3814
RGB	59, 56, 20
RGB Percent	23%, 22%, 8%
CMY	0.7689, 0.7806, 0.9218
CMYK	0.00, 0.05, 0.66, 0.77
HSL	55°, 49%, 15%
HSV	55°, 66%, 23%
XYZ	3.3366, 3.8003, 1.2167
YIQ	52.7930, 13.3440, -10.5600

Conversions

Conversions Part 2

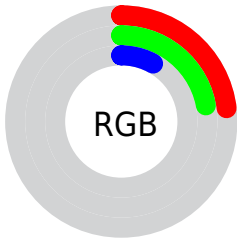
Format	Color
R_{YB}	23, 59, 20
Decimal	3880980
CIE Lab	23.00, -4.39, 22.53
CIE LCh	23, 22.951, 101.022
Yxy	3.8003, 0.3994, 0.4549
Android (android.graphics.Color)	4282071060 (0xFF3B3814)
YUV	52.7930, -16.1669, 5.4435
Hunter-Lab	19.4944, -3.5641, 9.9455

Details

The CIELCh color **23, 22.951, 101.022** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 26.508, 296.156**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 23.138, 100.977**, and **3, 6.317, 131.992** is the 20% darker color. If you saturate the color by 10%, you get **23, 25.874, 100.214**, and if you desaturate by 10%, it is **23, 19.756, 101.880**.

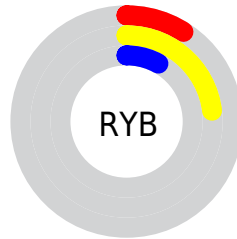
Distribution



Red (23%)

Green (22%)

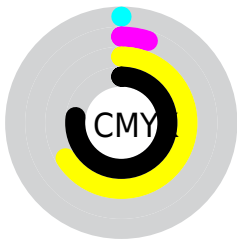
Blue (8%)



Red (9%)

Yellow (23%)

Blue (8%)

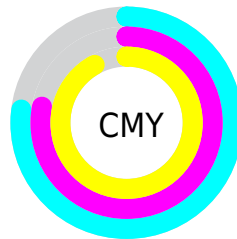


Cyan (0%)

Magenta (5%)

Yellow (66%)

Black (77%)



Cyan (77%)


Magenta (78%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 22.951, 101.022 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, 22.951, 101.022 by changing the saturation by 10% instead.

 23, 22.951,
101.022


 23, 22.951,
101.022

 100, 22.951,
101.022

 13, 22.951,
101.022


 43, 22.951,
101.022


 3, 22.951, 101.022

 53, 22.951,
101.022

 0, 22.951, 101.022

 63, 22.951,
101.022

 73, 22.951,
101.022

 83, 22.951,
101.022

 93, 22.951,

101.022

■ 23, 22.951,
101.022

■ 23, 22.951,
101.022

■ 23, 25.874,
100.214

■ 23, 19.756,
101.880

■ 23, 28.243, 99.525

■ 23, 16.386,
102.765

■ 22, 30.421, 98.956

■ 24, 12.908,
103.666

■ 22, 31.258, 98.761

■ 24, 9.367, 104.570

■ 24, 5.793, 105.468

■ 25, 2.207, 106.346

■ 25, 1.380, 287.263

■ 25, 4.958, 288.088

■ 26, 8.523, 288.903

Harmonies

Complementary

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



23, 22.951, 101.022



10, 26.508, 296.156

Rectangle

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



23, 22.951, 101.022



23, 22.951, 151.022



23, 22.951, 281.022



23, 22.951, 331.022

Sweetspot

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



23, 22.951, 101.025



32, 8.910, 105.042



13, 20.972, 20.752



15, 5.966, 104.969



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, 22.951, 101.025



30, 32.756, 99.719



23, 25.952, 123.435



11, 2.053, 106.145



36, 44.463, 98.051



81, 82.508, 97.636

Inverse Universe

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



10, 26.508, 296.156



10, 40.272, 299.634



10, 28.830, 309.516



10, 2.084, 287.695



9, 60.223, 304.295



29, 117.030, 305.491

Previews

White Background



This preview shows how the CIELCh color 23, 22.951, 101.022 looks on a white background.

Color Contrast Check

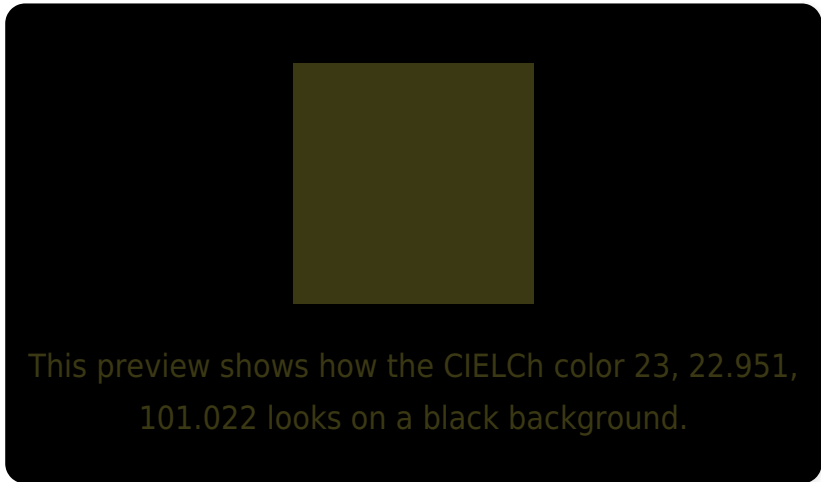
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

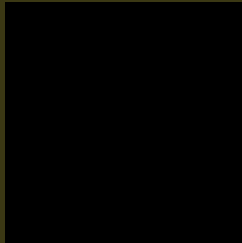
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.951, 101.022

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.951, 101.022.

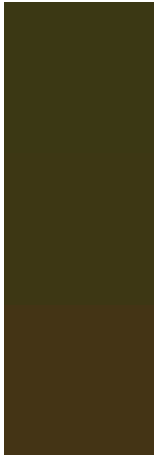


This preview shows how white text looks on a background with the CIELCh color 23, 22.951, 101.022.

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, 22.951, 101.022

Protanopia

23, 22.619, 96.880

Deuteranopia

23, 22.159, 82.274



Tritanopia
23, 5.354, 350.688

Trichromacy



Original Color
23, 22.951, 101.022

Protanomaly
23, 22.537, 98.241

Deuteranomaly
23, 21.816, 87.997

Tritanomaly
23, 7.787, 77.880

Monochromacy



Original Color
23, 22.951, 101.022

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 8.647, 104.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 22.951, 101.022 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(59, 56, 20)` looks like.

```
.text, #text, p{  
    color:rgb(59, 56, 20)  
}
```

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(59, 56, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 56, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.951, 101.022 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(59, 56, 20) }
```

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

```
.border{ border-color:rgb(59, 56, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 56, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 56, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 56, 20);  
box-shadow:4px 4px 4px 4px rgb(59, 56, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.951, 101.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 56, 20) }
```

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

```
.background{ background-color: rgb(59, 56,  
20) }
```

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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