

Converting Colors

CIELCh(22, 3.648, 132.167)

Have a look what the booklet for
CIELCh(22, 3.648, 132.167) contains.

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Color

CIELCh(22, 3.637, 132.172)

Conversions

Conversions Part 1

Format	Color
Hex	333631
RGB	51, 54, 49
RGB Percent	20%, 21%, 19%
CMY	0.8015, 0.7897, 0.8093
CMYK	0.06, 0.00, 0.09, 0.79
HSL	96°, 5%, 20%
HSV	96°, 9%, 21%
XYZ	3.1941, 3.5154, 3.3744
YIQ	52.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

Format	Color
R_YB	49, 54, 52
Decimal	3356209
CIE Lab	22.00, -2.44, 2.70
CIE LCh	22, 3.637, 132.172
Yxy	3.5154, 0.3168, 0.3486
Android (android.graphics.Color)	4281546289 (0xFF333631)
YUV	52.5330, -1.7418, -1.3444
Hunter-Lab	18.7494, -2.4029, 2.4539

Details

The CIELCh color **22, 3.637, 132.172** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 3.673, 312.800**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 3.995, 134.465**, and **2, 3.902, 130.986** is the 20% darker color. If you saturate the color by 10%, you get **22, 7.562, 131.786**, and if you desaturate by 10%, it is **22, 0.270, 312.290**.

Distribution



Red (20%)

Green (21%)

Blue (19%)



Red (19%)

Yellow (21%)

Blue (20%)



Cyan (6%)

Magenta (0%)

Yellow (9%)

Black (79%)



Cyan (80%)

Magenta (79%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 3.637, 132.172 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 22, 3.637, 132.172 by changing the saturation by 10% instead.

■ 22, 3.637, 132.172

■ 22, 3.637, 132.172

■ 100, 3.637,
132.172

■ 12, 3.637, 132.172

■ 42, 3.637, 132.172

■ 2, 3.637, 132.172

■ 52, 3.637, 132.172

■ 0, 3.637, 132.172

■ 62, 3.637, 132.172

■ 72, 3.637, 132.172

■ 82, 3.637, 132.172

■ 92, 3.637, 132.172

■ 22, 3.637, 132.172

■ 22, 3.637, 132.172

■ 22, 7.562, 131.786

■ 22, 0.270, 312.290

■ 21, 11.479,
131.380

■ 23, 4.147, 312.820

■ 21, 15.362,
130.959

■ 24, 7.980, 313.120

■ 20, 19.172,
130.540

■ 24, 11.761,
313.387

■ 20, 22.856,
130.146

■ 25, 15.484,
313.626

■ 20, 26.344,
129.815

■ 25, 19.144,
313.839

■ 20, 29.395,
129.842

■ 26, 22.738,
314.028

■ 19, 32.015,
130.185

■ 27, 26.267,
314.197

■ 19, 34.614,
130.404

■ 27, 29.728,
314.346

Harmonies

Complementary

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



22, 3.637, 132.172



21, 3.673, 312.800

Rectangle

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



22, 3.637, 132.172



22, 3.637, 182.172



22, 3.637, 312.172



22, 3.637, 2.172

Sweetspot

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



22, 3.638, 132.175



29, 1.439, 132.429



22, 2.216, 84.376



14, 1.102, 132.406



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



22, 3.638, 132.175



29, 5.300, 132.090



22, 3.828, 146.826



10, 2.246, 132.210



34, 52.699, 129.893



78, 100.560, 131.141

Inverse Universe

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



21, 3.673, 312.800



27, 5.360, 312.883



21, 3.836, 327.696



9, 2.266, 312.766



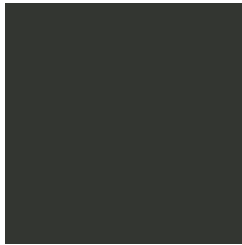
13, 57.585, 315.160



38, 109.097, 314.290

Previews

White Background



This preview shows how the CIELCh color 22, 3.637, 132.172 looks on a white background.

Color Contrast Check

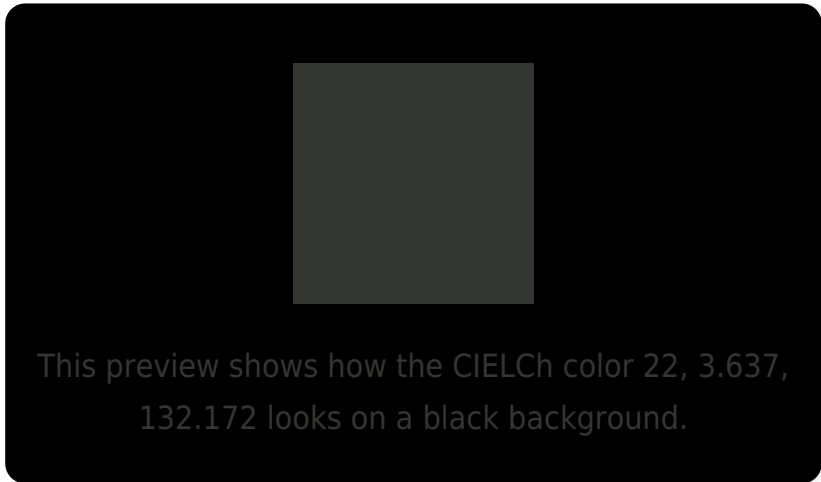
Large Text (above 18pt) WCAG AA ✓ Pass

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

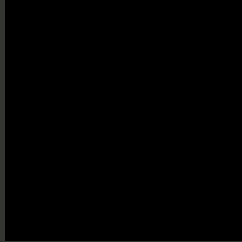
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

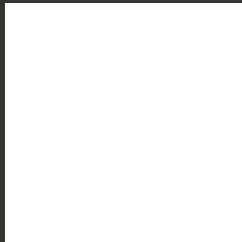
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 22, 3.637, 132.172

Background



This preview shows how black text looks on a background with the CIELCh color 22, 3.637, 132.172.

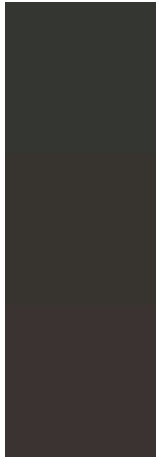


This preview shows how white text looks on a background with the CIELCh color 22, 3.637, 132.172.

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

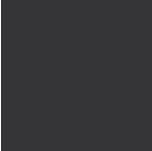
22, 3.637, 132.172

Protanopia

22, 3.032, 81.329

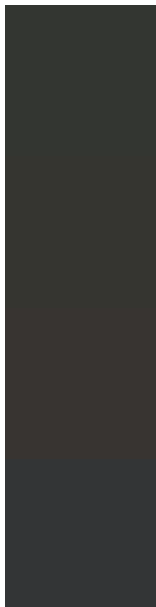
Deuteranopia

22, 4.070, 39.182



Tritanopia
22, 3.364, 290.945

Trichromacy



Original Color

22, 3.637, 132.172

Protanomaly

22, 3.342, 109.408

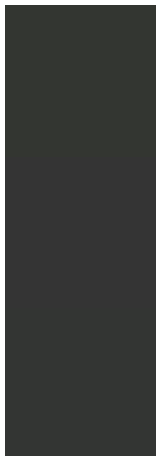
Deuteranomaly

22, 2.763, 66.089

Tritanomaly

22, 1.122, 236.264

Monochromacy



Original Color

22, 3.637, 132.172

Achromatopsia

22, 0.004, 296.813

Achromatomaly

22, 1.637, 144.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 3.637, 132.172 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(51, 54, 49)` looks like.

```
.text, #text, p{  
    color:rgb(51, 54, 49)  
}
```

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(51, 54, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 54, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 3.637, 132.172 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(51, 54, 49) }
```

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

```
.border{ border-color:rgb(51, 54, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 54, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 54, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 54, 49);  
box-shadow:4px 4px 4px 4px rgb(51, 54, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 3.637, 132.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 54, 49) }
```

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

```
.background{ background-color: rgb(51, 54,  
49) }
```

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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