

Converting Colors

CIELCh(22, 4.288, 47.846)

Have a look what the booklet for
CIELCh(22, 4.288, 47.846) contains.

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Color

CIELCh(22, 4.360, 47.326)

Conversions

Conversions Part 1

Format	Color
Hex	3B3330
RGB	59, 51, 48
RGB Percent	23%, 20%, 19%
CMY	0.7685, 0.7999, 0.8116
CMYK	0.00, 0.14, 0.19, 0.77
HSL	16°, 10%, 21%
HSV	16°, 19%, 23%
XYZ	3.5254, 3.5154, 3.2929
YIQ	53.0500, 5.7310, 0.7630

Conversions

Conversions Part 2

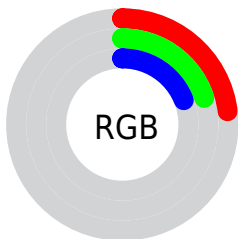
Format	Color
R _Y B	59, 52, 48
Decimal	3879728
CIE Lab	22.00, 2.96, 3.21
CIE LCh	22, 4.360, 47.326
Yxy	3.5154, 0.3412, 0.3402
Android (android.graphics.Color)	4282069808 (0xFF3B3330)
YUV	53.0500, -2.4896, 5.2182
Hunter-Lab	18.7494, 0.7517, 2.7117

Details

The CIELCh color **22, 4.360, 47.326** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 3.965, 229.370**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 4.248, 44.893**, and **2, 4.220, 47.942** is the 20% darker color. If you saturate the color by 10%, you get **20, 6.932, 46.999**, and if you desaturate by 10%, it is **24, 1.953, 47.697**.

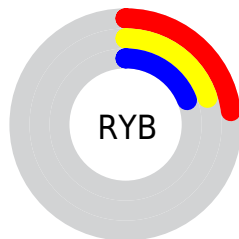
Distribution



Red (23%)

Green (20%)

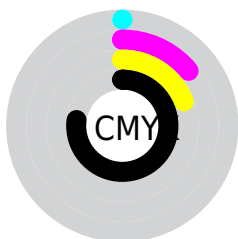
Blue (19%)



Red (23%)

Yellow (20%)

Blue (19%)

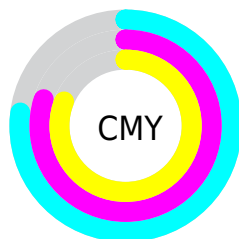


Cyan (0%)

Magenta (14%)

Yellow (19%)

Black (77%)



Cyan (77%)

Magenta (80%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 4.360, 47.326 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, 4.360, 47.326 by changing the saturation by 10% instead.

 22, 4.360, 47.326  22, 4.360, 47.326

 100, 4.360, 47.326  12, 4.360, 47.326

 42, 4.360, 47.326  2, 4.360, 47.326

 52, 4.360, 47.326  0, 4.360, 47.326

 62, 4.360, 47.326

 72, 4.360, 47.326

 82, 4.360, 47.326

 92, 4.360, 47.326

 22, 4.360, 47.326  22, 4.360, 47.326

 20, 6.932, 46.999  24, 1.953, 47.697

■ 19, 9.683, 46.725	■ 25, 0.301, 229.002
■ 18, 12.618, 46.539	■ 27, 2.417, 228.862
■ 16, 15.738, 46.458	■ 28, 4.408, 229.341
■ 15, 18.963, 46.296	■ 30, 6.287, 229.861
■ 14, 21.736, 44.802	■ 31, 8.067, 230.394
■ 12, 24.073, 42.551	■ 33, 9.758, 230.933
■ 11, 26.328, 40.951	■ 35, 11.370, 231.470
■ 11, 26.630, 40.790	■ 36, 12.912, 232.001

Harmonies

Complementary

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



22, 4.360, 47.326



23, 3.965, 229.370

Rectangle

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



22, 4.360, 47.326



22, 4.360, 97.326



22, 4.360, 227.326



22, 4.360, 277.326

Sweetspot

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



22, 4.360, 47.340



31, 1.672, 47.759



21, 7.433, 334.031



15, 1.089, 47.758



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



22, 4.360, 47.340



28, 6.486, 47.184



24, 5.705, 96.429



11, 1.293, 47.701



21, 42.859, 45.495



50, 86.707, 45.821

Inverse Universe

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



23, 3.965, 229.370



30, 5.755, 229.697



21, 5.781, 280.411



11, 1.242, 228.769



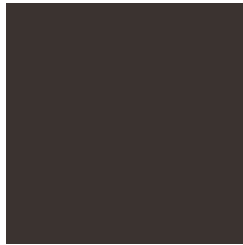
27, 22.247, 247.392



62, 42.544, 251.526

Previews

White Background



This preview shows how the CIELCh color 22, 4.360, 47.326 looks on a white background.

Color Contrast Check

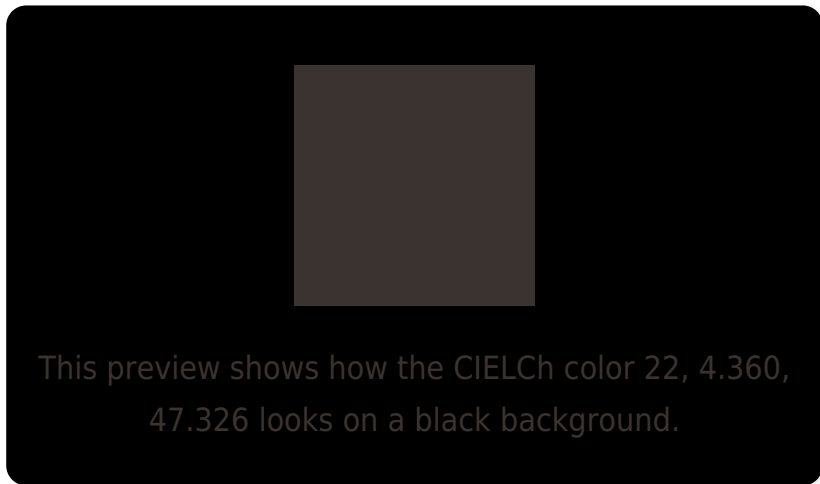
Large Text (above 18pt) WCAG AA ✓ Pass

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

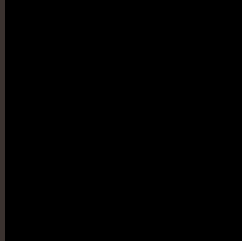
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 4.360, 47.326

Background



This preview shows how black text looks on a background with the CIELCh color 22, 4.360, 47.326.

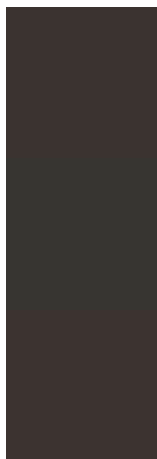


This preview shows how white text looks on a background with the CIELCh color 22, 4.360, 47.326.

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

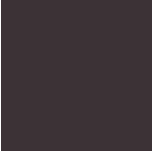
22, 4.360, 47.326

Protanopia

22, 2.830, 89.943

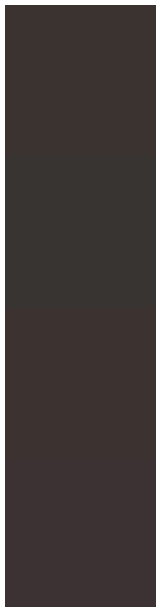
Deuteranopia

22, 4.805, 44.688



Tritanopia
22, 5.385, 350.727

Trichromacy



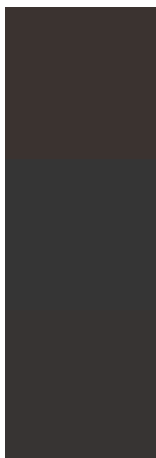
Original Color
22, 4.360, 47.326

Protanomaly
22, 2.763, 66.089

Deuteranomaly
22, 4.805, 44.688

Tritanomaly
22, 4.908, 4.610

Monochromacy



Original Color
22, 4.360, 47.326

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 1.554, 45.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 4.360, 47.326 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, 51, 48)` looks like.

```
.text, #text, p{  
    color:rgb(59, 51, 48)  
}
```

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, 51, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 51, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 4.360, 47.326 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, 51, 48) }
```

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

```
.border{ border-color:rgb(59, 51, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 51, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 51, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 51, 48);  
box-shadow:4px 4px 4px 4px rgb(59, 51, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 4.360, 47.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 51, 48) }
```

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

```
.background{ background-color: rgb(59, 51,  
48) }
```

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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