

Converting Colors

CIELCh(22, 4.420, 6.940)

Have a look what the booklet for
CIELCh(22, 4.420, 6.940) contains.

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Color

CIELCh(22, 4.908, 4.610)

Conversions

Conversions Part 1

Format	Color
Hex	3C3234
RGB	60, 50, 52
RGB Percent	24%, 20%, 20%
CMY	0.7639, 0.8031, 0.7953
CMYK	0.00, 0.17, 0.13, 0.76
HSL	348°, 9%, 22%
HSV	348°, 17%, 24%
XYZ	3.6497, 3.5154, 3.7590
YIQ	53.2180, 5.3180, 2.7420

Conversions

Conversions Part 2

Format	Color
RYB	60, 50, 52
Decimal	3945012
CIELab	22.00, 4.89, 0.39
CIELCh	22, 4.908, 4.610
Yxy	3.5154, 0.3341, 0.3218
Android (android.graphics.Color)	4282135092 (0xFF3C3234)
YUV	53.2180, -0.6005, 5.9478
Hunter-Lab	18.7494, 1.9348, 1.2379

Details

The CIELCh color **22, 4.908, 4.610** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 4.635, 182.017**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 4.805, 5.478**, and **2, 4.863, 4.998** is the 20% darker color. If you saturate the color by 10%, you get **20, 8.030, 5.651**, and if you desaturate by 10%, it is **24, 1.910, 3.669**.

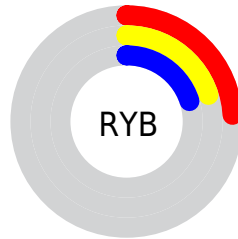
Distribution



Red (24%)

Green (20%)

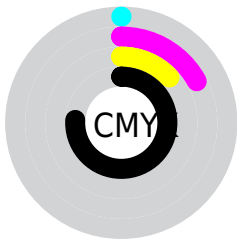
Blue (20%)



Red (24%)

Yellow (20%)

Blue (20%)

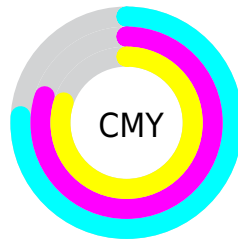


Cyan (0%)

Magenta (17%)

Yellow (13%)

Black (76%)



Cyan (76%)

Magenta (80%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 4.908, 4.610 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, 4.908, 4.610 by changing the saturation by 10% instead.

■ 22, 4.908, 4.610

■ 22, 4.908, 4.610

■ 100, 4.908, 4.610

■ 12, 4.908, 4.610

■ 42, 4.908, 4.610

■ 2, 4.908, 4.610

■ 52, 4.908, 4.610

■ 0, 4.908, 4.610

■ 62, 4.908, 4.610

■ 72, 4.908, 4.610

■ 82, 4.908, 4.610

■ 92, 4.908, 4.610

■ 22, 4.908, 4.610

■ 22, 4.908, 4.610

■ 20, 8.030, 5.651

■ 24, 1.910, 3.669

18, 11.259, 6.851

26, 0.951, 183.246

16, 14.555, 8.275

28, 3.678, 182.396

15, 17.860, 9.991

30, 6.273, 181.764

13, 21.091, 12.083

32, 8.746, 181.208

12, 24.154, 14.651

35, 11.105,
180.706

10, 26.884, 16.967

37, 13.360,
180.249

9, 29.631, 17.559

9, 30.606, 17.383

39, 15.520,
179.830

41, 17.594,
179.444

Harmonies

Complementary

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



22, 4.908, 4.610



24, 4.635, 182.017

Rectangle

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



22, 4.908, 4.610



22, 4.908, 54.610



22, 4.908, 184.610



22, 4.908, 234.610

Sweetspot

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



22, 4.907, 4.617



32, 1.806, 3.527



22, 7.649, 319.436



16, 1.244, 3.556



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



22, 4.907, 4.617



28, 7.482, 5.047



23, 3.900, 50.588



10, 1.631, 3.847



18, 43.466, 25.314



47, 84.187, 30.172

Inverse Universe

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



22, 4.907, 4.617



28, 7.482, 5.047



24, 3.601, 232.766



10, 1.631, 3.847



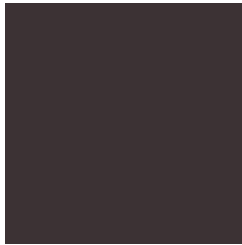
18, 43.466, 25.314



47, 84.187, 30.172

Previews

White Background



This preview shows how the CIELCh color 22, 4.908, 4.610 looks on a white background.

Color Contrast Check

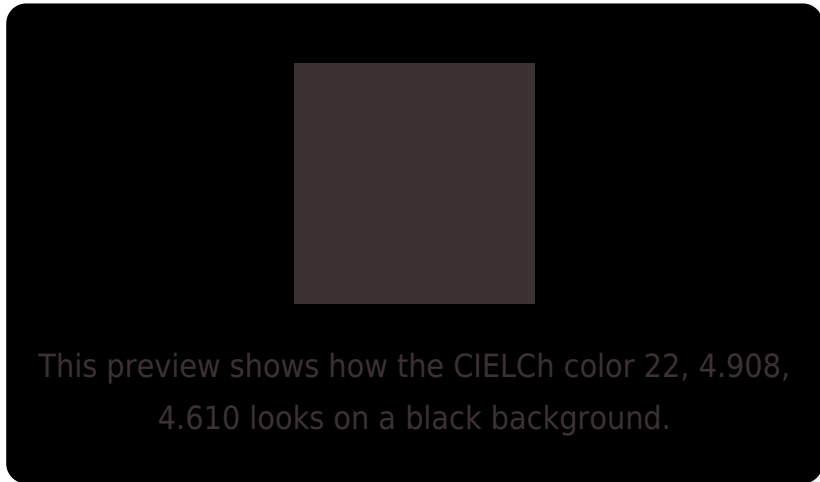
Large Text (above 18pt) WCAG AA ✓ Pass

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

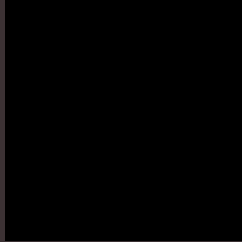
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 4.908, 4.610

Background



This preview shows how black text looks on a background with the CIELCh color 22, 4.908, 4.610.

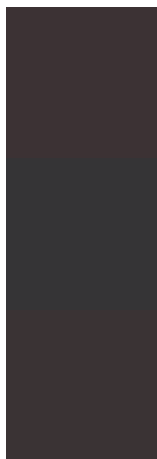


This preview shows how white text looks on a background with the CIELCh color 22, 4.908, 4.610.

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

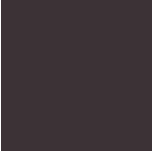
22, 4.908, 4.610

Protanopia

22, 1.429, 309.172

Deuteranopia

22, 3.361, 8.569



Tritanopia
22, 5.385, 350.727

Trichromacy



Original Color

22, 4.908, 4.610

Protanomaly

22, 2.695, 350.032

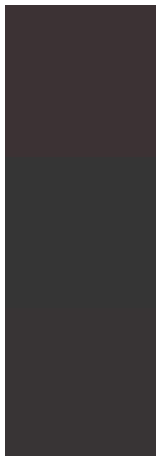
Deuteranomaly

22, 3.831, 10.109

Tritanomaly

22, 5.108, 357.338

Monochromacy



Original Color

22, 4.908, 4.610

Achromatopsia

22, 0.004, 296.813

Achromatomaly

22, 1.983, 359.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 4.908, 4.610 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, 50, 52)` looks like.

```
.text, #text, p{  
    color:rgb(60, 50, 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(60, 50, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 50, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 4.908, 4.610 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, 50, 52) }
```

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

```
.border{ border-color:rgb(60, 50, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 50, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 50, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 50, 52);  
box-shadow:4px 4px 4px 4px rgb(60, 50, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 4.908, 4.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 50, 52) }
```

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

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