

Converting Colors

CIELCh(22, 7.098, 22.166)

Have a look what the booklet for
CIELCh(22, 7.098, 22.166) contains.

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Color

CIELCh(22, 7.267, 20.879)

Conversions

Conversions Part 1

Format	Color
Hex	403131
RGB	64, 49, 49
RGB Percent	25%, 19%, 19%
CMY	0.7488, 0.8076, 0.8076
CMYK	0.00, 0.23, 0.23, 0.75
HSL	0°, 13%, 22%
HSV	0°, 23%, 25%
XYZ	3.7743, 3.5154, 3.3915
YIQ	53.4850, 8.9400, 3.1800

Conversions

Conversions Part 2

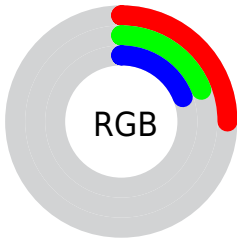
Format	Color
RYB	64, 49, 49
Decimal	4206897
CIELab	22.00, 6.79, 2.59
CIELCh	22, 7.267, 20.879
Yxy	3.5154, 0.3534, 0.3291
Android (android.graphics.Color)	4282396977 (0xFF403131)
YUV	53.4850, -2.2111, 9.2217
Hunter-Lab	18.7494, 3.1208, 2.4000

Details

The CIELCh color **22, 7.267, 20.879** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 6.350, 198.382**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 7.306, 20.331**, and **2, 7.278, 22.580** is the 20% darker color. If you saturate the color by 10%, you get **20, 10.721, 21.824**, and if you desaturate by 10%, it is **24, 4.023, 20.122**.

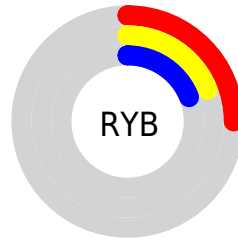
Distribution



Red (25%)

Green (19%)

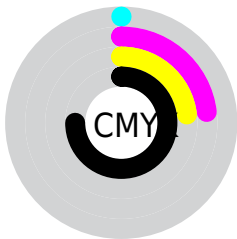
Blue (19%)



Red (25%)

Yellow (19%)

Blue (19%)

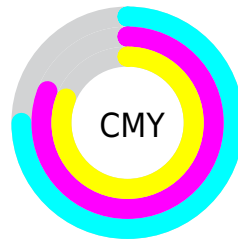


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (75%)



Cyan (75%)

Magenta (81%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 7.267, 20.879 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, 7.267, 20.879 by changing the saturation by 10% instead.

■ 22, 7.267, 20.879 ■ 22, 7.267, 20.879

■ 100, 7.267, 20.879 ■ 12, 7.267, 20.879

■ 42, 7.267, 20.879 ■ 2, 7.267, 20.879

■ 52, 7.267, 20.879 ■ 0, 7.267, 20.879

■ 62, 7.267, 20.879

■ 72, 7.267, 20.879

■ 82, 7.267, 20.879

■ 92, 7.267, 20.879

■ 22, 7.267, 20.879 ■ 22, 7.267, 20.879

■ 20, 10.721, 21.824 ■ 24, 4.023, 20.122

18, 14.374, 23.003

26, 0.991, 19.346

16, 18.190, 24.492

29, 1.840, 199.253

14, 22.113, 26.366

31, 4.485, 198.788

13, 25.863, 27.894

33, 6.959, 198.453

12, 28.925, 28.126

35, 9.281, 198.182

11, 31.615, 27.780

38, 11.466,
197.960

10, 33.507, 27.301

40, 13.529,
197.774

42, 15.485,
197.617

Harmonies

Complementary

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



22, 7.267, 20.879



26, 6.350, 198.382

Rectangle

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



22, 7.267, 20.879



22, 7.267, 70.879



22, 7.267, 200.879



22, 7.267, 250.879

Sweetspot

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



22, 7.266, 20.886



34, 2.578, 19.694



23, 12.049, 325.552



16, 1.691, 19.698



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



22, 7.266, 20.886



28, 11.118, 21.408



24, 6.153, 72.877



12, 1.687, 19.784



18, 48.293, 35.264



47, 94.945, 40.001

Inverse Universe

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



26, 6.350, 198.382



34, 9.362, 198.136



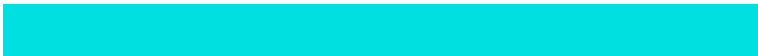
23, 5.829, 258.382



12, 1.610, 199.107



37, 24.666, 196.402



81, 45.493, 196.403

Previews

White Background



This preview shows how the CIELCh color 22, 7.267, 20.879 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 22, 7.267, 20.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

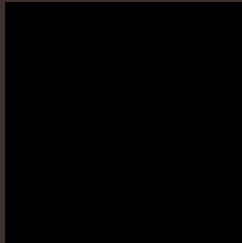
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 7.267, 20.879

Background



This preview shows how black text looks on a background with the CIELCh color 22, 7.267, 20.879.

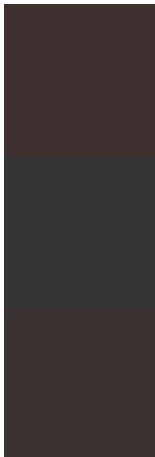


This preview shows how white text looks on a background with the CIELCh color 22, 7.267, 20.879.

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, 7.267, 20.879

Protanopia

22, 1.410, 90.480

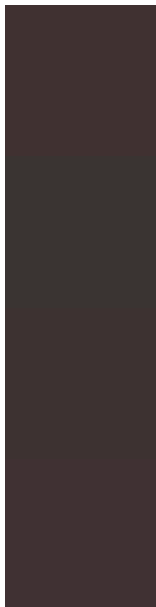
Deuteranopia

22, 4.070, 39.182



Tritanopia
22, 7.398, 5.323

Trichromacy



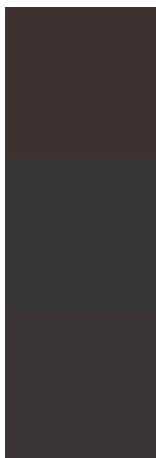
Original Color
22, 7.267, 20.879

Protanomaly
22, 3.152, 44.856

Deuteranomaly
22, 5.348, 27.564

Tritanomaly
22, 7.291, 10.430

Monochromacy



Original Color
22, 7.267, 20.879

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 2.822, 19.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 7.267, 20.879 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(64, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(64, 49, 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(64, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 49, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 7.267, 20.879 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(64, 49, 49) }
```

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

```
.border{ border-color:rgb(64, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(64, 49, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 7.267, 20.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 49, 49) }
```

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

```
.background{ background-color: rgb(64, 49,  
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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