

Converting Colors

CIELCh(22, 7.189, 36.495)

Have a look what the booklet for
CIELCh(22, 7.189, 36.495) contains.

CIELCh(22, 7.181, 36.748)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(22, 7.181, 36.748)

Conversions

Conversions Part 1

Format	Color
Hex	40322F
RGB	64, 50, 47
RGB Percent	25%, 20%, 18%
CMY	0.7510, 0.8058, 0.8175
CMYK	0.00, 0.22, 0.27, 0.75
HSL	11°, 15%, 22%
HSV	11°, 27%, 25%
XYZ	3.7059, 3.5154, 3.1230
YIQ	53.8440, 9.3070, 2.0350

Conversions

Conversions Part 2

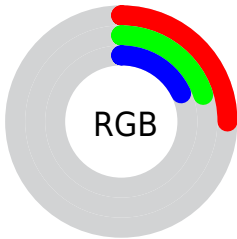
Format	Color
RYB	64, 51, 47
Decimal	4207151
CIELab	22.00, 5.75, 4.30
CIElCh	22, 7.181, 36.748
Yxy	3.5154, 0.3583, 0.3398
Android (android.graphics.Color)	4282397231 (0xFF40322F)
YUV	53.8440, -3.3741, 8.9068
Hunter-Lab	18.7494, 2.4701, 3.2491

Details

The CIELCh color **22, 7.181, 36.748** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 6.126, 217.460**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 7.166, 34.736**, and **2, 7.083, 29.237** is the 20% darker color. If you saturate the color by 10%, you get **20, 10.235, 36.959**, and if you desaturate by 10%, it is **24, 4.333, 36.661**.

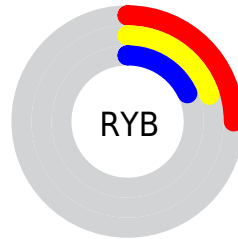
Distribution



Red (25%)

Green (20%)

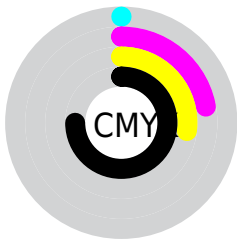
Blue (18%)



Red (25%)

Yellow (20%)

Blue (18%)

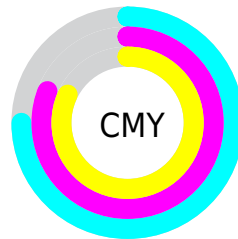


Cyan (0%)

Magenta (22%)

Yellow (27%)

Black (75%)



Cyan (75%)

Magenta (81%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 7.181, 36.748 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, 7.181, 36.748 by changing the saturation by 10% instead.

■ 22, 7.181, 36.748 ■ 22, 7.181, 36.748

■ 100, 7.181, 36.748 ■ 12, 7.181, 36.748

■ 42, 7.181, 36.748 ■ 2, 7.181, 36.748

■ 52, 7.181, 36.748 ■ 0, 7.181, 36.748

■ 62, 7.181, 36.748

■ 72, 7.181, 36.748

■ 82, 7.181, 36.748

■ 92, 7.181, 36.748

■ 22, 7.181, 36.748 ■ 22, 7.181, 36.748

■ 20, 10.235, 36.959 ■ 24, 4.333, 36.661

19, 13.503, 37.305

26, 1.680, 36.594

17, 16.978, 37.825

27, 0.791, 217.141

15, 20.640, 38.544

29, 3.098, 217.063

14, 24.057, 38.343

31, 5.256, 217.226

13, 26.878, 36.912

33, 7.281, 217.439

12, 29.416, 35.936

35, 9.187, 217.680

11, 30.203, 35.818

37, 10.988,
217.941

39, 12.695,
218.212

Harmonies

Complementary

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



22, 7.181, 36.748



24, 6.126, 217.460

Rectangle

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



22, 7.181, 36.748



22, 7.181, 86.748



22, 7.181, 216.748



22, 7.181, 266.748

Sweetspot

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



22, 7.180, 36.756



33, 2.477, 36.613



22, 12.180, 330.820



15, 1.735, 36.620



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, 7.180, 36.756



28, 10.854, 36.876



25, 7.943, 88.148



11, 1.353, 36.614



19, 44.546, 40.649



48, 90.504, 42.564

Inverse Universe

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



24, 6.126, 217.460



31, 8.855, 217.746



22, 7.902, 274.543



11, 1.292, 217.028



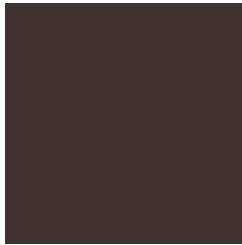
30, 21.038, 227.993



69, 39.254, 230.896

Previews

White Background



This preview shows how the CIELCh color 22, 7.181, 36.748 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, 7.181, 36.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

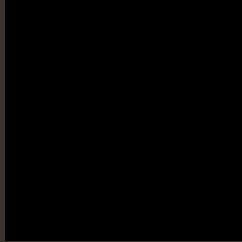
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 7.181, 36.748

Background



This preview shows how black text looks on a background with the CIELCh color 22, 7.181, 36.748.

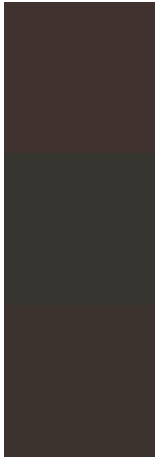


This preview shows how white text looks on a background with the CIELCh color 22, 7.181, 36.748.

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, 7.181, 36.748

Protanopia

22, 3.469, 93.416

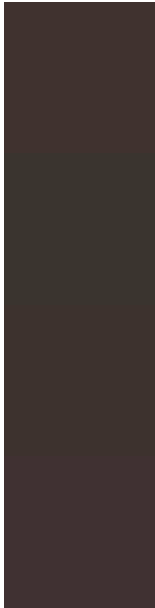
Deuteranopia

22, 5.553, 56.878



Tritanopia
22, 7.398, 5.323

Trichromacy



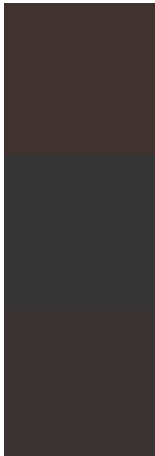
Original Color
22, 7.181, 36.748

Protanomaly
22, 4.434, 68.431

Deuteranomaly
22, 6.050, 46.431

Tritanomaly
22, 7.247, 15.645

Monochromacy



Original Color
22, 7.181, 36.748

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 2.450, 35.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 7.181, 36.748 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, 50, 47)` looks like.

```
.text, #text, p{  
    color:rgb(64, 50, 47)  
}
```

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, 50, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 50, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 7.181, 36.748 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, 50, 47) }
```

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

```
.border{ border-color:rgb(64, 50, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 50, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 50, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 50, 47);  
box-shadow:4px 4px 4px 4px rgb(64, 50, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 7.181, 36.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 50, 47) }
```

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

```
.background{ background-color: rgb(64, 50,  
47) }
```

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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