

Converting Colors

CIELCh(22, 6.712, 72.915)

Have a look what the booklet for
CIELCh(22, 6.712, 72.915) contains.

CIELCh(22, 6.697, 72.520)	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, 6.697, 72.520)

Conversions

Conversions Part 1

Format	Color
Hex	3B332B
RGB	59, 51, 43
RGB Percent	23%, 20%, 17%
CMY	0.7672, 0.7986, 0.8301
CMYK	0.00, 0.13, 0.27, 0.77
HSL	30°, 16%, 20%
HSV	30°, 27%, 23%
XYZ	3.4659, 3.5154, 2.8137
YIQ	52.4800, 7.3360, -0.7920

Conversions

Conversions Part 2

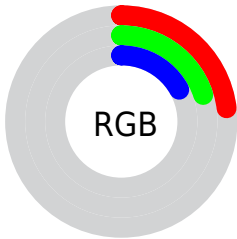
Format	Color
R_{YB}	59, 59, 43
Decimal	3879723
CIE Lab	22.00, 2.01, 6.39
CIE LCh	22, 6.697, 72.520
Yxy	3.5154, 0.3538, 0.3589
Android (android.graphics.Color)	4282069803 (0xFF3B332B)
YUV	52.4800, -4.6736, 5.7180
Hunter-Lab	18.7494, 0.1850, 4.2270

Details

The CIELCh color **22, 6.697, 72.520** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 6.292, 258.863**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 6.703, 73.429**, and **2, 3.573, 53.749** is the 20% darker color. If you saturate the color by 10%, you get **21, 9.369, 71.450**, and if you desaturate by 10%, it is **23, 4.131, 73.590**.

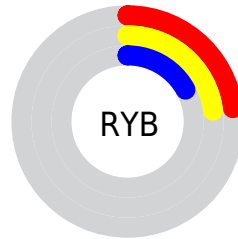
Distribution



Red (23%)

Green (20%)

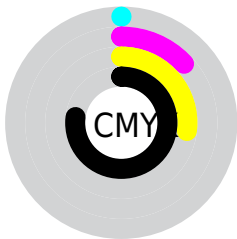
Blue (17%)



Red (23%)

Yellow (23%)

Blue (17%)

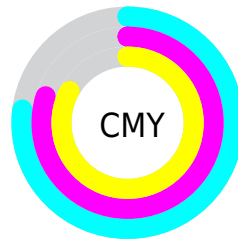


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (77%)



Cyan (77%)

Magenta (80%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 6.697, 72.520 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, 6.697, 72.520 by changing the saturation by 10% instead.

■ 22, 6.697, 72.520 ■ 22, 6.697, 72.520

■ 100, 6.697, 72.520 ■ 12, 6.697, 72.520

■ 42, 6.697, 72.520 ■ 2, 6.697, 72.520

■ 52, 6.697, 72.520 ■ 0, 6.697, 72.520

■ 62, 6.697, 72.520

■ 72, 6.697, 72.520

■ 82, 6.697, 72.520

■ 92, 6.697, 72.520

■ 22, 6.697, 72.520 ■ 22, 6.697, 72.520

■ 21, 9.369, 71.450 ■ 23, 4.131, 73.590

■ 20, 12.146, 70.361

■ 24, 1.665, 74.595

■ 19, 15.022, 69.262

■ 25, 0.708, 255.951

■ 18, 17.974, 68.143

■ 27, 2.995, 256.801

■ 17, 20.595, 66.553

■ 28, 5.204, 257.769

■ 16, 22.549, 64.214

■ 29, 7.343, 258.720

■ 15, 24.403, 62.075

■ 30, 9.419, 259.644

■ 15, 24.966, 61.507

■ 31, 11.438,
260.535

■ 32, 13.407,
261.393

Harmonies

Complementary

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



22, 6.697, 72.520



21, 6.292, 258.863

Rectangle

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



22, 6.697, 72.520



22, 6.697, 122.520



22, 6.697, 252.520



22, 6.697, 302.520

Sweetspot

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



22, 6.697, 72.529



31, 2.361, 74.467



20, 9.368, 344.800



14, 1.650, 74.400



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, 6.697, 72.529



28, 9.943, 71.836



24, 10.303, 107.227



11, 1.360, 74.455



25, 39.738, 62.561



59, 76.921, 60.103

Inverse Universe

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



21, 6.292, 258.863



27, 9.185, 259.898



18, 10.861, 292.241



11, 1.339, 256.428



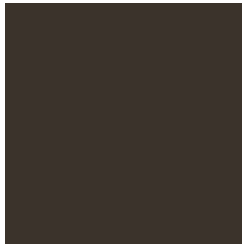
19, 32.730, 280.779



48, 65.788, 284.650

Previews

White Background



This preview shows how the CIELCh color 22, 6.697, 72.520 looks on a white background.

Color Contrast Check

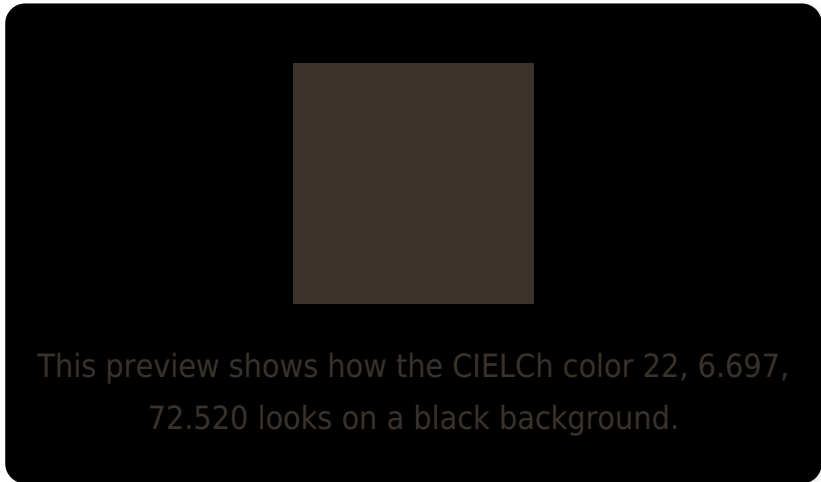
Large Text (above 18pt) WCAG AA ✓ Pass

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

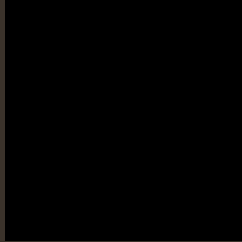
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 6.697, 72.520

Background



This preview shows how black text looks on a background with the CIELCh color 22, 6.697, 72.520.

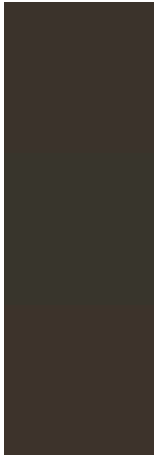


This preview shows how white text looks on a background with the CIELCh color 22, 6.697, 72.520.

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

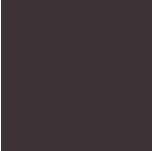
22, 6.697, 72.520

Protanopia

22, 6.180, 95.037

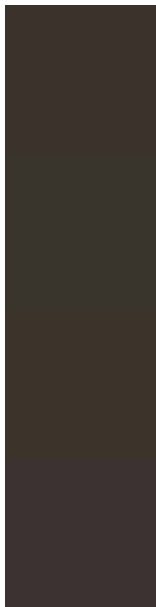
Deuteranopia

22, 7.358, 66.261



Tritanopia
22, 5.800, 353.180

Trichromacy



Original Color
22, 6.697, 72.520

Protanomaly
22, 5.893, 84.282

Deuteranomaly
22, 7.016, 69.243

Tritanomaly
22, 4.781, 20.332

Monochromacy



Original Color
22, 6.697, 72.520

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 2.456, 74.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 6.697, 72.520 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(59, 51, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 51, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 6.697, 72.520 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, 43) }
```

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

```
.border{ border-color:rgb(59, 51, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 51, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 51, 43);  
box-shadow:4px 4px 4px 4px rgb(59, 51, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 6.697, 72.520 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, 43) }
```

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

```
.background{ background-color: rgb(59, 51,  
43) }
```

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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