

Converting Colors

CIELCh(22, 33.816, 316.043)

Have a look what the booklet for
CIELCh(22, 33.816, 316.043)
contains.

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Color

CIELCh(22, 33.719, 316.133)

Conversions

Conversions Part 1

Format	Color
Hex	472858
RGB	71, 40, 88
RGB Percent	28%, 16%, 35%
CMY	0.7231, 0.8446, 0.6565
CMYK	0.19, 0.55, 0.00, 0.66
HSL	279°, 38%, 25%
HSV	279°, 55%, 34%
XYZ	5.0607, 3.5154, 9.5574
YIQ	54.7410, 3.0680, 21.5000

Conversions

Conversions Part 2

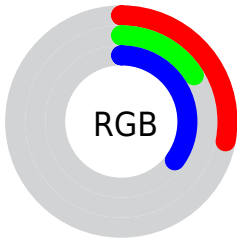
Format	Color
R_{YB}	71, 40, 88
Decimal	4663384
CIE _{Lab}	22.00, 24.31, -23.37
CIE _{LCh}	22, 33.719, 316.133
Yxy	3.5154, 0.2791, 0.1939
Android (android.graphics.Color)	4282853464 (0xFF472858)
YUV	54.7410, 16.3967, 14.2591
Hunter-Lab	18.7494, 15.3682, -17.0982

Details

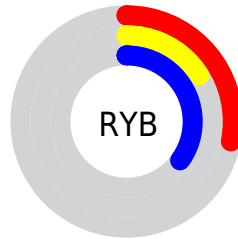
The CIELCh color **22, 33.719, 316.133** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **34, 32.195, 131.564**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 33.884, 316.442**, and **4, 29.131, 314.916** is the 20% darker color. If you saturate the color by 10%, you get **20, 39.550, 316.425**, and if you desaturate by 10%, it is **25, 27.595, 315.770**.

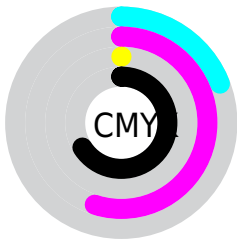
Distribution



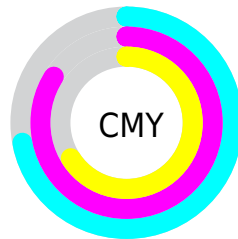
- Red (28%)
- Green (16%)
- Blue (35%)



- Red (28%)
- Yellow (16%)
- Blue (35%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (66%)





- Cyan (72%)
- Magenta (84%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 33.719, 316.133 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, 33.719, 316.133 by changing the saturation by 10% instead.


 22, 33.719,
316.133


 22, 33.719,
316.133


 100, 33.719,
316.133


 12, 33.719,
316.133


 42, 33.719,
316.133


 2, 33.719, 316.133

 52, 33.719,
316.133

 0, 33.719, 316.133

 62, 33.719,
316.133

 72, 33.719,
316.133

 82, 33.719,
316.133

 92, 33.719,

316.133

■ 22, 33.719,
316.133

■ 22, 33.719,
316.133

■ 20, 39.550,
316.425

■ 25, 27.595,
315.770

■ 17, 44.859,
316.601

■ 27, 21.351,
315.370

■ 15, 49.363,
316.603

■ 30, 15.100,
314.957

■ 14, 53.116,
316.468

■ 33, 8.916, 314.547

■ 13, 55.257,
316.476

■ 36, 2.845, 314.136

■ 39, 3.088, 133.830

■ 42, 8.869, 133.469

■ 45, 14.495,
133.152

■ 47, 19.965,
132.865

Harmonies

Complementary

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



22, 33.719, 316.133



34, 32.195, 131.564

Rectangle

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



22, 33.719, 316.133



22, 33.719, 6.133



22, 33.719, 136.133



22, 33.719, 186.133

Sweetspot

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



22, 33.718, 316.133



43, 12.100, 314.620



24, 20.668, 277.781



21, 8.244, 314.671



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



22, 33.718, 316.133



26, 50.114, 316.502



24, 32.487, 331.357



16, 3.332, 314.304



17, 63.693, 316.219



42, 113.734, 315.548

Inverse Universe

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



23, 24.274, 358.804



28, 35.896, 1.587



33, 32.672, 143.936



16, 2.368, 352.985



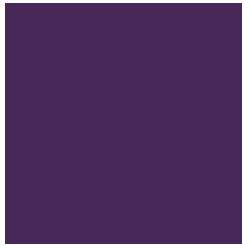
21, 44.919, 13.048



50, 80.808, 16.993

Previews

White Background



This preview shows how the CIE LCh color 22, 33.719, 316.133 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, 33.719, 316.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

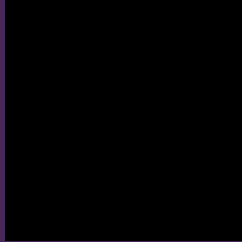
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 33.719, 316.133

Background



This preview shows how black text looks on a background with the CIELCh color 22, 33.719, 316.133.



This preview shows how white text looks on a background with the CIELCh color 22, 33.719, 316.133.

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, 33.719, 316.133

Protanopia

22, 31.669, 284.947

Deuteranopia

22, 21.912, 279.282



Tritanopia
22, 7.866, 6.403

Trichromacy



Original Color
22, 33.719, 316.133

Protanomaly
22, 31.504, 293.959

Deuteranomaly
22, 25.572, 295.643

Tritanomaly
22, 15.687, 328.726

Monochromacy



Original Color
22, 33.719, 316.133

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 12.419, 314.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 33.719, 316.133 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(71, 40, 88)` looks like.

```
.text, #text, p{  
    color:rgb(71, 40, 88)  
}
```

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(71, 40, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 40, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 33.719, 316.133 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(71, 40, 88) }
```

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

```
.border{ border-color:rgb(71, 40, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 40, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 40, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 40, 88);  
box-shadow:4px 4px 4px 4px rgb(71, 40, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 33.719, 316.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 40, 88) }
```

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

```
.background{ background-color: rgb(71, 40,  
88) }
```

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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