

Converting Colors

CIELCh(22, 71.560, 316.668)

Have a look what the booklet for
CIELCh(22, 71.560, 316.668)
contains.

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Color

CIELCh(22, 71.442, 316.672)

Conversions

Conversions Part 1

Format	Color
Hex	55017F
RGB	85, 1, 127
RGB Percent	33%, 0%, 50%
CMY	0.6655, 0.9945, 0.5008
CMYK	0.33, 0.99, 0.00, 0.50
HSL	280°, 98%, 25%
HSV	280°, 99%, 50%
XYZ	7.6376, 3.5154, 20.4517
YIQ	40.4800, 9.6180, 56.9940

Conversions

Conversions Part 2

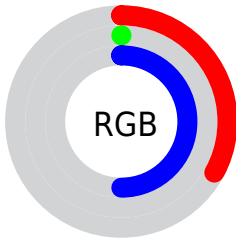
Format	Color
RYB	85, 1, 127
Decimal	5570943
CIELab	22.00, 51.97, -49.02
CIELCh	22, 71.442, 316.672
Yxy	3.5154, 0.2417, 0.1112
Android (android.graphics.Color)	4283761023 (0xFF55017F)
YUV	40.4800, 42.6544, 39.0440
Hunter-Lab	18.7494, 39.9007, -51.5482

Details

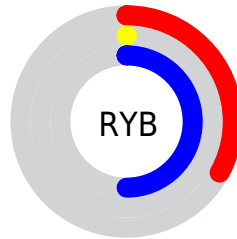
The CIELCh color **22, 71.442, 316.672** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **47, 67.660, 132.031**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 71.634, 316.747**, and **8, 52.656, 311.445** is the 20% darker color. If you saturate the color by 10%, you get **22, 71.858, 316.639**, and if you desaturate by 10%, it is **24, 67.824, 317.045**.

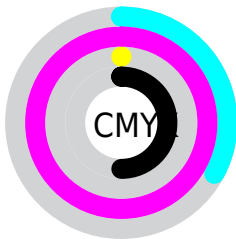
Distribution



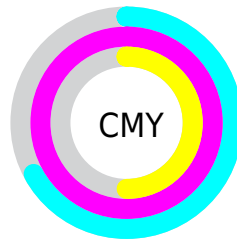
- Red (33%)
- Green (0%)
- Blue (50%)



- Red (33%)
- Yellow (0%)
- Blue (50%)



- Cyan (33%)
- Magenta (99%)
- Yellow (0%)
- Black (50%)





- Cyan (67%)
- Magenta (99%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 71.442, 316.672 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, 71.442, 316.672 by changing the saturation by 10% instead.

 22, 71.442,
316.672


 22, 71.442,
316.672

 100, 71.442,
316.672


 12, 71.442,
316.672


 42, 71.442,
316.672


 2, 71.442, 316.672

 52, 71.442,
316.672

 0, 71.442, 316.672

 62, 71.442,
316.672

 72, 71.442,
316.672

 82, 71.442,
316.672

 92, 71.442,

316.672

■ 22, 71.442,
316.672

■ 22, 71.442,
316.672

■ 22, 71.858,
316.639

■ 24, 67.824,
317.045

■ 26, 62.944,
317.237

■ 28, 56.588,
317.193

■ 32, 49.177,
316.980

■ 35, 41.110,
316.656

■ 38, 32.701,
316.268

■ 42, 24.174,
315.848

■ 46, 15.677,
315.421

■ 50, 7.303, 314.998

Harmonies

Complementary

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



22, 71.442, 316.672



47, 67.660, 132.031

Rectangle

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



22, 71.442, 316.672



22, 71.442, 6.672



22, 71.442, 136.672



22, 71.442, 186.672

Sweetspot

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



22, 71.442, 316.672



54, 31.189, 315.926



22, 54.340, 294.070



26, 21.487, 316.076



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



22, 71.442, 316.672



30, 87.249, 316.406



29, 61.432, 334.936



25, 4.638, 315.007



22, 71.947, 316.637



0, 0.000, 0.000

Inverse Universe

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



26, 50.918, 15.606



35, 62.471, 17.519



46, 67.713, 138.191



25, 3.244, 354.431



26, 51.319, 16.090



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 22, 71.442, 316.672 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 CIELCh color 22, 71.442, 316.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

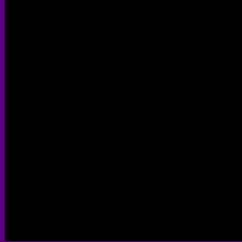
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 71.442, 316.672

Background



This preview shows how black text looks on a background with the CIELCh color 22, 71.442, 316.672.



This preview shows how white text looks on a background with the CIELCh color 22, 71.442, 316.672.

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, 71.442, 316.672

Protanopia

23, 40.211, 284.484

Deuteranopia

23, 28.869, 271.477



Tritanopia
23, 10.767, 7.579

Trichromacy



Original Color
22, 71.442, 316.672

Protanomaly
19, 56.158, 300.546

Deuteranomaly
19, 48.645, 298.734

Tritanomaly
21, 35.882, 324.745

Monochromacy



Original Color
22, 71.442, 316.672

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 32.633, 316.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 71.442, 316.672 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(85, 1, 127)` looks like.

```
.text, #text, p{  
    color:rgb(85, 1, 127)  
}
```

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(85, 1, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 1, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 71.442, 316.672 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(85, 1, 127) }
```

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

```
.border{ border-color:rgb(85, 1, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 1, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 1, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 1, 127);  
box-shadow:4px 4px 4px 4px rgb(85, 1, 127)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 71.442, 316.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 1, 127) }
```

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

```
.background{ background-color: rgb(85, 1,  
127) }
```

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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