

Converting Colors

CIELCh(22, 82.984, 312.090)

Have a look what the booklet for
CIELCh(22, 82.984, 312.090)
contains.

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Color

CIELCh(22, 82.665, 312.025)

Conversions

Conversions Part 1

Format	Color
Hex	490093
RGB	73, 0, 147
RGB Percent	29%, 0%, 58%
CMY	0.7140, 1.0000, 0.4238
CMYK	0.50, 1.00, 0.00, 0.42
HSL	270°, 100%, 29%
HSV	270°, 100%, 58%
XYZ	8.0012, 3.5154, 27.8300
YIQ	38.5850, -3.6790, 61.1930

Conversions

Conversions Part 2

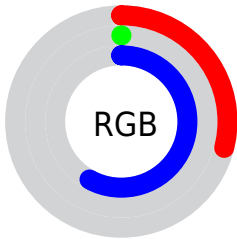
Format	Color
R_{YB}	73, 0, 147
Decimal	4784275
CIE _{Lab}	22.00, 55.34, -61.41
CIE _{LCh}	22, 82.665, 312.025
Yxy	3.5154, 0.2034, 0.0893
Android (android.graphics.Color)	4282974355 (0xFF490093)
YUV	38.5850, 53.4486, 30.1820
Hunter-Lab	18.7494, 43.3622, -74.8802

Details

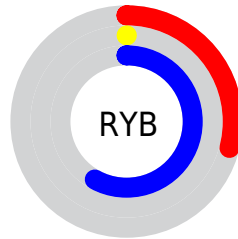
The CIELCh color **22, 82.665, 312.025** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **54, 72.035, 127.624**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 82.711, 312.024**, and **8, 64.731, 306.477** is the 20% darker color. If you saturate the color by 10%, you get **22, 82.639, 312.019**, and if you desaturate by 10%, it is **24, 78.178, 312.357**.

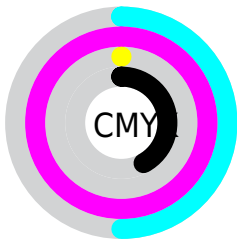
Distribution



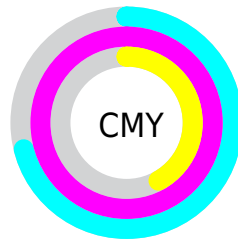
- Red (29%)
- Green (0%)
- Blue (58%)



- Red (29%)
- Yellow (0%)
- Blue (58%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)





- Cyan (71%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 82.665, 312.025 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, 82.665, 312.025 by changing the saturation by 10% instead.

 22, 82.665,
312.025


 22, 82.665,
312.025

 100, 82.665,
312.025


 12, 82.665,
312.025

 42, 82.665,
312.025


 2, 82.665, 312.025

 52, 82.665,
312.025

 0, 82.665, 312.025

 62, 82.665,
312.025

 72, 82.665,
312.025

 82, 82.665,
312.025

 92, 82.665,

312.025

■ 22, 82.665,
312.025

■ 22, 82.665,
312.025

■ 22, 82.639,
312.019

■ 24, 78.178,
312.357

■ 27, 72.194,
312.471

■ 30, 64.514,
312.286

■ 34, 55.759,
311.908

■ 38, 46.441,
311.425

■ 43, 36.917,
310.896

■ 47, 27.409,
310.363

■ 52, 18.047,
309.850

■ 56, 8.902, 309.367

Harmonies

Complementary

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



22, 82.665, 312.025



54, 72.035, 127.624

Rectangle

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



22, 82.665, 312.025



22, 82.665, 2.025



22, 82.665, 132.025



22, 82.665, 182.025

Sweetspot

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



22, 82.639, 312.019



60, 34.007, 310.396



32, 45.499, 281.471



29, 23.482, 310.599



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



22, 82.639, 312.019



30, 100.612, 311.787



34, 76.676, 327.586



29, 5.050, 309.330



20, 78.778, 312.085



0, 4.364, 308.938

Inverse Universe

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



31, 56.315, 0.815



41, 68.287, 1.765



53, 79.315, 135.925



29, 4.078, 344.150



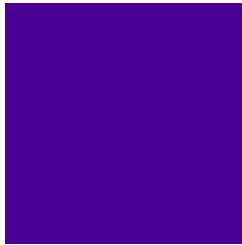
29, 53.748, 0.548



1, 3.528, 343.450

Previews

White Background



This preview shows how the CIELCh color 22, 82.665, 312.025 looks on a white background.

Color Contrast Check

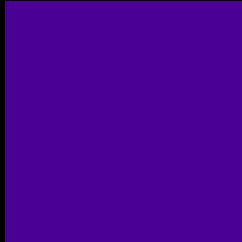
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.665, 312.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

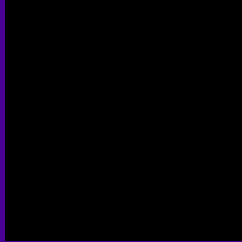
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 82.665, 312.025

Background



This preview shows how black text looks on a background with the CIELCh color 22, 82.665, 312.025.



This preview shows how white text looks on a background with the CIELCh color 22, 82.665, 312.025.

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

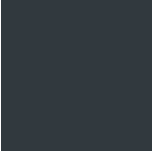
22, 82.665, 312.025

Protanopia

23, 40.211, 284.484

Deuteranopia

23, 27.774, 269.184



Tritanopia
23, 4.704, 244.199

Trichromacy



Original Color
22, 82.665, 312.025

Protanomaly
20, 61.104, 300.882

Deuteranomaly
19, 52.450, 298.669

Tritanomaly
20, 39.007, 308.625

Monochromacy



Original Color
22, 82.665, 312.025

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 37.431, 311.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 82.665, 312.025 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(73, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 147)  
}
```

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(73, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 82.665, 312.025 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(73, 0, 147) }
```

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

```
.border{ border-color:rgb(73, 0, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(73, 0, 147)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 82.665, 312.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 0, 147) }
```

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

```
.background{ background-color: rgb(73, 0,  
147) }
```

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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