

Converting Colors

CIELCh(22, 78.603, 313.889)

Have a look what the booklet for
CIELCh(22, 78.603, 313.889)
contains.

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Color

CIELCh(22, 78.137, 313.820)

Conversions

Conversions Part 1

Format	Color
Hex	4F008B
RGB	79, 0, 139
RGB Percent	31%, 0%, 55%
CMY	0.6906, 1.0000, 0.4553
CMYK	0.43, 1.00, 0.00, 0.46
HSL	274°, 100%, 27%
HSV	274°, 100%, 54%
XYZ	7.8663, 3.5154, 24.6503
YIQ	39.4670, 2.4650, 59.9770

Conversions

Conversions Part 2

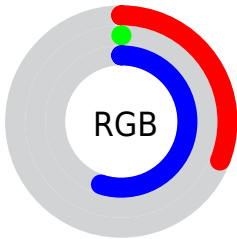
Format	Color
R_{YB}	79, 0, 139
Decimal	5177483
CIE _{Lab}	22.00, 54.10, -56.38
CIE _{LCh}	22, 78.137, 313.820
Yxy	3.5154, 0.2183, 0.0976
Android (android.graphics.Color)	4283367563 (0xFF4F008B)
YUV	39.4670, 49.0698, 34.6704
Hunter-Lab	18.7494, 42.0776, -64.8253

Details

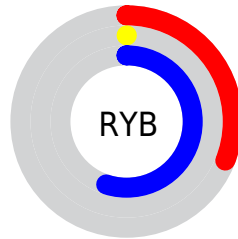
The CIELCh color **22, 78.137, 313.820** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **51, 70.638, 129.748**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 78.091, 313.761**, and **8, 59.846, 308.239** is the 20% darker color. If you saturate the color by 10%, you get **22, 78.100, 313.812**, and if you desaturate by 10%, it is **24, 74.016, 314.197**.

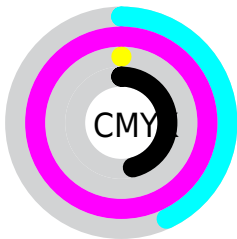
Distribution



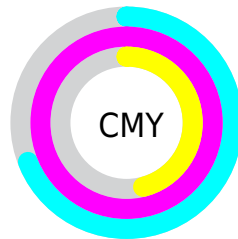
- Red (31%)
- Green (0%)
- Blue (55%)



- Red (31%)
- Yellow (0%)
- Blue (55%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (46%)





- Cyan (69%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 78.137, 313.820 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, 78.137, 313.820 by changing the saturation by 10% instead.

 22, 78.137,
313.820


 22, 78.137,
313.820

 100, 78.137,
313.820


 12, 78.137,
313.820


 42, 78.137,
313.820

 2, 78.137, 313.820

 52, 78.137,
313.820

 0, 78.137, 313.820

 62, 78.137,
313.820

 72, 78.137,
313.820

 82, 78.137,
313.820

 92, 78.137,

313.820

■ 22, 78.137,
313.820

■ 22, 78.137,
313.820

■ 22, 78.100,
313.812

■ 24, 74.016,
314.197

■ 26, 68.597,
314.390

■ 29, 61.552,
314.304

■ 33, 53.411,
314.028

■ 37, 44.643,
313.637

■ 41, 35.592,
313.188

■ 45, 26.488,
312.719

■ 49, 17.474,
312.254

■ 54, 8.632, 311.807

Harmonies

Complementary

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



22, 78.137, 313.820



51, 70.638, 129.748

Rectangle

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



22, 78.137, 313.820



22, 78.137, 3.820



22, 78.137, 133.820



22, 78.137, 183.820

Sweetspot

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



22, 78.100, 313.812



58, 32.906, 312.749



27, 51.063, 288.906



28, 22.699, 312.925



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



22, 78.100, 313.812



30, 95.079, 313.570



32, 69.885, 331.006



27, 4.831, 311.769



21, 75.487, 313.860



0, 2.218, 311.405

Inverse Universe

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



29, 53.732, 7.300



39, 65.321, 8.478



50, 74.845, 136.770



27, 3.666, 348.214



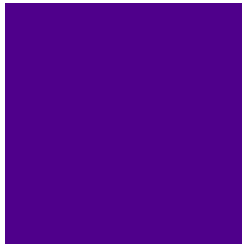
27, 51.952, 7.066



0, 1.680, 347.481

Previews

White Background



This preview shows how the CIELCh color 22, 78.137, 313.820 looks on a white background.

Color Contrast Check

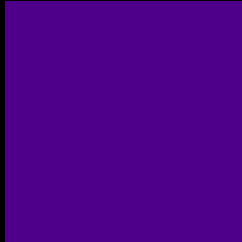
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.137, 313.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

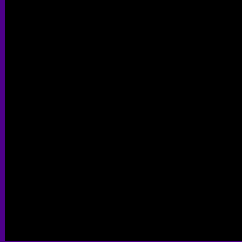
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 78.137, 313.820

Background



This preview shows how black text looks on a background with the CIELCh color 22, 78.137, 313.820.



This preview shows how white text looks on a background with the CIELCh color 22, 78.137, 313.820.

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, 78.137, 313.820

Protanopia

23, 40.211, 284.484

Deuteranopia

23, 28.321, 270.101



Tritanopia
23, 3.837, 336.235

Trichromacy



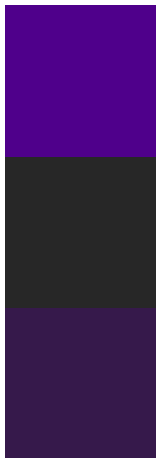
Original Color
22, 78.137, 313.820

Protanomaly
19, 59.278, 300.915

Deuteranomaly
19, 51.171, 298.790

Tritanomaly
20, 37.087, 315.616

Monochromacy



Original Color
22, 78.137, 313.820

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 35.671, 314.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 78.137, 313.820 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(79, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 139)  
}
```

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(79, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 78.137, 313.820 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(79, 0, 139) }
```

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

```
.border{ border-color:rgb(79, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(79, 0, 139)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 78.137, 313.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 139) }
```

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

```
.background{ background-color: rgb(79, 0,  
139) }
```

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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