

Converting Colors

CIELCh(21, 70.384, 312.466)

Have a look what the booklet for
CIELCh(21, 70.384, 312.466)
contains.

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Color

CIELCh(21, 70.239, 312.391)

Conversions

Conversions Part 1

Format	Color
Hex	470E81
RGB	71, 14, 129
RGB Percent	28%, 5%, 51%
CMY	0.7213, 0.9448, 0.4939
CMYK	0.45, 0.89, 0.00, 0.49
HSL	270°, 80%, 28%
HSV	270°, 89%, 51%
XYZ	6.7284, 3.2451, 21.0630
YIQ	44.1530, -2.9430, 47.8490

Conversions

Conversions Part 2

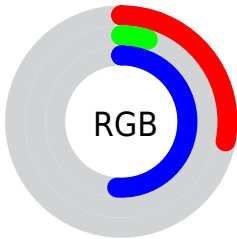
Format	Color
R_YB	71, 14, 129
Decimal	4656769
CIE _{Lab}	21.00, 47.35, -51.88
CIE _{LCh}	21, 70.239, 312.391
Yxy	3.2451, 0.2168, 0.1046
Android (android.graphics.Color)	4282846849 (0xFF470E81)
YUV	44.1530, 41.8296, 23.5448
Hunter-Lab	18.0142, 35.1458, -56.7144

Details

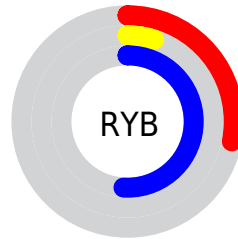
The CIELCh color **21, 70.239, 312.391** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **48, 61.798, 126.651**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 70.297, 312.449**, and **6, 55.090, 307.548** is the 20% darker color. If you saturate the color by 10%, you get **19, 74.703, 312.149**, and if you desaturate by 10%, it is **24, 64.519, 312.438**.

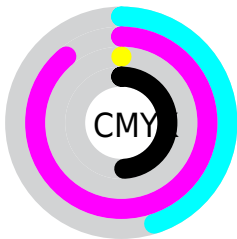
Distribution



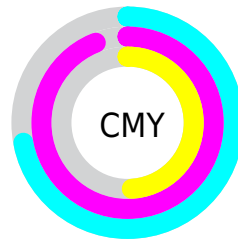
- Red (28%)
- Green (5%)
- Blue (51%)



- Red (28%)
- Yellow (5%)
- Blue (51%)



- Cyan (45%)
- Magenta (89%)
- Yellow (0%)
- Black (49%)





- Cyan (72%)
- Magenta (94%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 70.239, 312.391 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 21, 70.239, 312.391 by changing the saturation by 10% instead.

 21, 70.239,
312.391


 21, 70.239,
312.391

 100, 70.239,
312.391


 11, 70.239,
312.391


 41, 70.239,
312.391


 1, 70.239, 312.391

 51, 70.239,
312.391

 0, 70.239, 312.391

 61, 70.239,
312.391

 71, 70.239,
312.391

 81, 70.239,
312.391

 91, 70.239,

312.391

■ 21, 70.239,
312.391

■ 21, 70.239,
312.391

■ 19, 74.703,
312.149

■ 24, 64.519,
312.438

■ 19, 75.132,
312.140

■ 27, 57.395,
312.212

■ 30, 49.406,
311.815

■ 34, 40.978,
311.326

■ 38, 32.404,
310.800

■ 42, 23.865,
310.274

■ 46, 15.467,
309.770

■ 50, 7.267, 309.296

■ 54, 0.709, 128.999

Harmonies

Complementary

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



21, 70.239, 312.391



48, 61.798, 126.651

Rectangle

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



21, 70.239, 312.391



21, 70.239, 2.391



21, 70.239, 132.391



21, 70.239, 182.391

Sweetspot

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



21, 70.239, 312.392



55, 27.470, 310.199



31, 36.589, 276.268



26, 18.484, 310.343



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



21, 70.239, 312.392



26, 91.430, 311.877



30, 67.188, 327.514



25, 4.460, 309.296



18, 74.465, 312.154



0, 0.000, 0.000

Inverse Universe

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



28, 49.528, 356.647



36, 62.165, 1.265



47, 69.081, 136.539



25, 3.604, 344.092



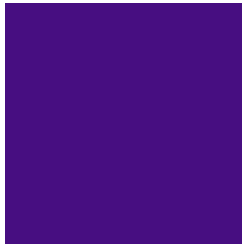
27, 50.883, 0.151



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 21, 70.239, 312.391 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 21, 70.239, 312.391 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 21, 70.239, 312.391

Background



This preview shows how black text looks on a background with the CIELCh color 21, 70.239, 312.391.



This preview shows how white text looks on a background with the CIELCh color 21, 70.239, 312.391.

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


21, 70.239, 312.391

Protanopia

22, 37.339, 283.375

Deuteranopia

22, 26.624, 269.348



Tritanopia
22, 3.503, 305.872

Trichromacy



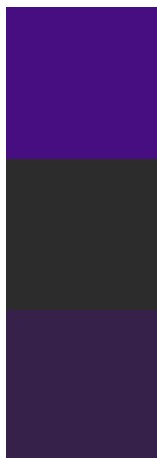
Original Color
21, 70.239, 312.391

Protanomaly
19, 51.149, 297.922

Deuteranomaly
19, 44.802, 296.017

Tritanomaly
20, 31.469, 311.237

Monochromacy



Original Color
21, 70.239, 312.391

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 29.915, 311.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 70.239, 312.391 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, 14, 129)` looks like.

```
.text, #text, p{  
    color:rgb(71, 14, 129)  
}
```

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, 14, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 14, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 70.239, 312.391 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, 14, 129) }
```

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

```
.border{ border-color:rgb(71, 14, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 14, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 14, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 14, 129);  
box-shadow:4px 4px 4px 4px rgb(71, 14,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 70.239, 312.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 14, 129) }
```

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

```
.background{ background-color: rgb(71, 14,  
129) }
```

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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