

Converting Colors

CIELCh(21, 71.012, 311.795)

Have a look what the booklet for
CIELCh(21, 71.012, 311.795)
contains.

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Color

CIELCh(21, 71.104, 311.677)

Conversions

Conversions Part 1

Format	Color
Hex	450F83
RGB	69, 15, 131
RGB Percent	27%, 6%, 51%
CMY	0.7294, 0.9412, 0.4863
CMYK	0.47, 0.89, 0.00, 0.49
HSL	268°, 79%, 29%
HSV	268°, 89%, 51%
XYZ	6.7211, 3.2451, 21.7433
YIQ	44.3700, -5.0520, 47.5240

Conversions

Conversions Part 2

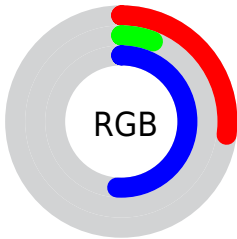
Format	Color
R_{YB}	69, 15, 131
Decimal	4525955
CIE _{Lab}	21.00, 47.28, -53.11
CIE _{LCh}	21, 71.104, 311.677
Yxy	3.2451, 0.2120, 0.1023
Android (android.graphics.Color)	4282716035 (0xFF450F83)
YUV	44.3700, 42.7086, 21.6005
Hunter-Lab	18.0142, 35.0734, -58.9535

Details

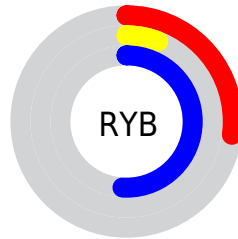
The CIELCh color **21, 71.104, 311.677** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **49, 61.742, 125.564**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 71.333, 311.735**, and **6, 55.886, 306.807** is the 20% darker color. If you saturate the color by 10%, you get **19, 75.732, 311.472**, and if you desaturate by 10%, it is **24, 65.095, 311.655**.

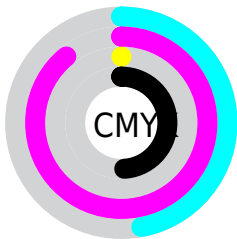
Distribution



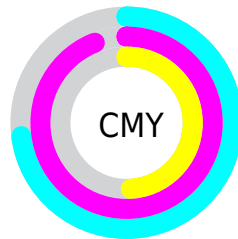
- Red (27%)
- Green (6%)
- Blue (51%)



- Red (27%)
- Yellow (6%)
- Blue (51%)



- Cyan (47%)
- Magenta (89%)
- Yellow (0%)
- Black (49%)





- Cyan (73%)
- Magenta (94%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 71.104, 311.677 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, 71.104, 311.677 by changing the saturation by 10% instead.

 21, 71.104,
311.677


 21, 71.104,
311.677

 100, 71.104,
311.677


 11, 71.104,
311.677


 41, 71.104,
311.677


 1, 71.104, 311.677

 51, 71.104,
311.677

 0, 71.104, 311.677

 61, 71.104,
311.677

 71, 71.104,
311.677

 81, 71.104,
311.677

 91, 71.104,

311.677

■ 21, 71.104,
311.677

■ 21, 71.104,
311.677

■ 19, 75.732,
311.472

■ 24, 65.095,
311.655

■ 18, 76.433,
311.465

■ 27, 57.707,
311.362

■ 31, 49.502,
310.904

■ 34, 40.909,
310.365

■ 39, 32.214,
309.799

■ 43, 23.586,
309.243

■ 47, 15.124,
308.715

■ 51, 6.875, 308.224

■ 55, 1.137, 127.864

Harmonies

Complementary

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



21, 71.104, 311.677



49, 61.742, 125.564

Rectangle

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



21, 71.104, 311.677



21, 71.104, 1.677



21, 71.104, 131.677



21, 71.104, 181.677

Sweetspot

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



21, 71.104, 311.678



56, 27.677, 309.192



32, 34.685, 272.204



27, 18.863, 309.349



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



21, 71.104, 311.678



26, 93.058, 311.207



30, 67.820, 326.336



26, 4.582, 308.252



18, 76.028, 311.473



0, 1.084, 307.853

Inverse Universe

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



29, 50.511, 354.117



37, 63.283, 358.519



48, 69.409, 136.273



26, 3.801, 342.502



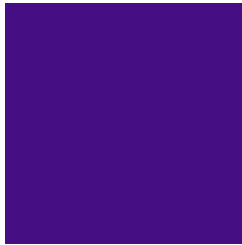
27, 52.000, 357.530



0, 0.901, 341.837

Previews

White Background



This preview shows how the CIELCh color 21, 71.104, 311.677 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, 71.104, 311.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

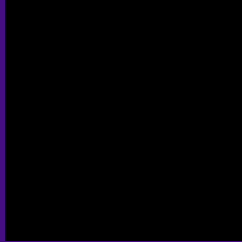
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 71.104, 311.677

Background



This preview shows how black text looks on a background with the CIELCh color 21, 71.104, 311.677.



This preview shows how white text looks on a background with the CIELCh color 21, 71.104, 311.677.

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

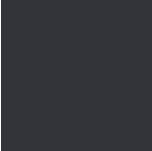
21, 71.104, 311.677

Protanopia

21, 38.017, 284.265

Deuteranopia

22, 26.624, 269.348



Tritanopia
22, 3.464, 276.117

Trichromacy



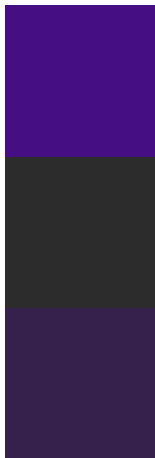
Original Color
21, 71.104, 311.677

Protanomaly
19, 52.499, 298.341

Deuteranomaly
19, 44.727, 295.413

Tritanomaly
20, 31.206, 308.491

Monochromacy



Original Color
21, 71.104, 311.677

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 30.491, 310.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 71.104, 311.677 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(69, 15, 131)` looks like.

```
.text, #text, p{  
    color:rgb(69, 15, 131)  
}
```

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(69, 15, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 15, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 71.104, 311.677 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(69, 15, 131) }
```

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

```
.border{ border-color:rgb(69, 15, 131) }
```

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

Here you see how a box with a 4 pixel rgb(69, 15, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 15, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 15, 131);  
box-shadow:4px 4px 4px 4px rgb(69, 15,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 71.104, 311.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 15, 131) }
```

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

```
.background{ background-color: rgb(69, 15,  
131) }
```

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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