

Converting Colors

CIELCh(21, 100.614, 306.712)

Have a look what the booklet for
CIELCh(21, 100.614, 306.712)
contains.

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Color

CIELCh(21, 100.704, 306.669)

Conversions

Conversions Part 1

Format	Color
Hex	1200B0
RGB	18, 0, 176
RGB Percent	7%, 0%, 69%
CMY	0.9289, 1.0000, 0.3110
CMYK	0.90, 1.00, 0.00, 0.31
HSL	246°, 100%, 34%
HSV	246°, 100%, 69%
XYZ	8.0549, 3.2451, 41.1229
YIQ	25.4460, -45.7680, 58.5520

Conversions

Conversions Part 2

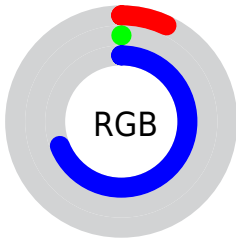
Format	Color
R_{YB}	18, 0, 176
Decimal	1179824
CIE _{Lab}	21.00, 60.14, -80.77
CIE _{LCh}	21, 100.704, 306.669
Yxy	3.2451, 0.1537, 0.0619
Android (android.graphics.Color)	4279369904 (0xFF1200B0)
YUV	25.4460, 74.2231, -6.5301
Hunter-Lab	18.0142, 48.2893, -122.7373

Details

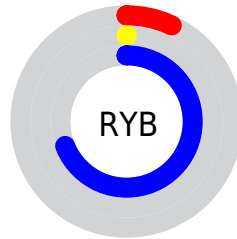
The CIELCh color **21, 100.704, 306.669** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **68, 73.841, 109.125**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **41, 100.451, 306.585**, and **12, 77.548, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 100.614, 306.646**, and if you desaturate by 10%, it is **23, 95.084, 305.957**.

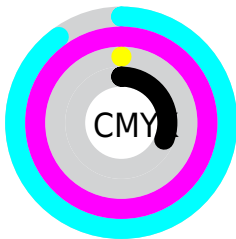
Distribution



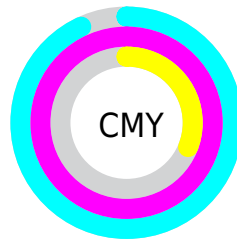
- Red (7%)
- Green (0%)
- Blue (69%)



- Red (7%)
- Yellow (0%)
- Blue (69%)



- Cyan (90%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (93%)
- Magenta (100%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 100.704, 306.669 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, 100.704, 306.669 by changing the saturation by 10% instead.


 21, 100.704,
306.669


 21, 100.704,
306.669


 100, 100.704,
306.669


 11, 100.704,
306.669


 41, 100.704,
306.669


 1, 100.704,
306.669


 51, 100.704,
306.669

 0, 100.704,
306.669

 61, 100.704,
306.669

 71, 100.704,
306.669

 81, 100.704,
306.669

 91, 100.704,

306.669

■ 21, 100.704,
306.669

■ 21, 100.704,
306.669

■ 21, 100.614,
306.646

■ 23, 95.084,
305.957

■ 27, 86.698,
304.824

■ 31, 76.106,
303.297

■ 37, 64.599,
301.633

■ 42, 52.962,
300.012

■ 48, 41.566,
298.525

■ 54, 30.553,
297.208

■ 60, 19.963,
296.063

■ 66, 9.789, 295.078

Harmonies

Complementary

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



21, 100.704, 306.669



68, 73.841, 109.125

Rectangle

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



21, 100.704, 306.669



21, 100.704, 356.669



21, 100.704, 126.669



21, 100.704, 176.669

Sweetspot

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



21, 100.614, 306.646



69, 38.005, 297.274



60, 33.764, 214.120



33, 26.118, 297.798



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



21, 100.614, 306.646



29, 122.990, 306.576



30, 92.347, 314.449



34, 5.475, 295.014



17, 89.673, 306.700



1, 11.375, 293.484

Inverse Universe

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



41, 80.632, 332.797



53, 98.315, 332.887



64, 85.006, 130.912



34, 6.141, 327.872



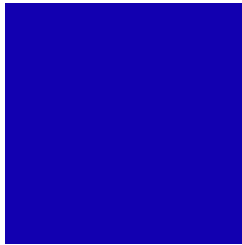
35, 71.996, 332.734



2, 12.515, 328.736

Previews

White Background



This preview shows how the CIE LCh color 21, 100.704, 306.669 looks on a white background.

Color Contrast Check

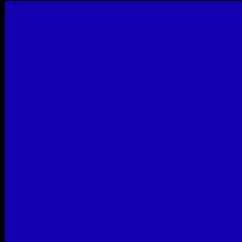
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.704, 306.669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

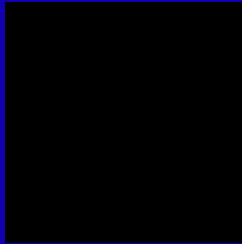
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 100.704, 306.669

Background



This preview shows how black text looks on a background with the CIELCh color 21, 100.704, 306.669.



This preview shows how white text looks on a background with the CIELCh color 21, 100.704, 306.669.

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, 100.747, 306.641

Protanopia

22, 38.504, 283.921

Deuteranopia

22, 26.639, 268.815



Tritanopia
22, 17.533, 200.929

Trichromacy



Original Color
21, 100.747, 306.641

Protanomaly
19, 66.281, 300.202

Deuteranomaly
19, 58.494, 298.240

Tritanomaly
18, 44.602, 293.098

Monochromacy



Original Color
21, 100.747, 306.641

Achromatopsia
9, 0.002, 296.813

Achromatomaly
10, 45.636, 303.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 100.704, 306.669 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(18, 0, 176)` looks like.

```
.text, #text, p{  
  color:rgb(18, 0, 176)  
}
```

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(18, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 0, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 100.704, 306.669 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(18, 0, 176) }
```

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

```
.border{ border-color:rgb(18, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(18, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(18, 0, 176)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 100.704, 306.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 0, 176) }
```

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

```
.background{ background-color: rgb(18, 0,  
176) }
```

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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