

Converting Colors

CIELCh(22, 104.034, 306.416)

Have a look what the booklet for
CIELCh(22, 104.034, 306.416)
contains.

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Color

CIELCh(22, 103.773, 306.385)

Conversions

Conversions Part 1

Format	Color
Hex	0B01B7
RGB	11, 1, 183
RGB Percent	4%, 0%, 72%
CMY	0.9586, 0.9957, 0.2819
CMYK	0.94, 0.99, 0.00, 0.28
HSL	243°, 99%, 36%
HSV	243°, 99%, 72%
XYZ	8.7019, 3.5154, 45.0765
YIQ	24.7380, -52.4620, 58.7220

Conversions

Conversions Part 2

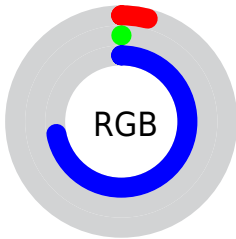
Format	Color
R_{YB}	11, 1, 183
Decimal	721335
CIE _{Lab}	22.00, 61.56, -83.54
CIE _{LCh}	22, 103.773, 306.385
Y _{xy}	3.5154, 0.1519, 0.0614
Android (android.graphics.Color)	4278911415 (0xFF0B01B7)
YUV	24.7380, 78.0232, -12.0482
Hunter-Lab	18.7494, 50.0328, -129.4174

Details

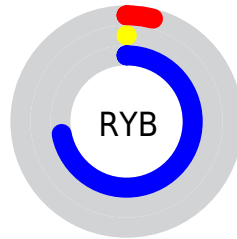
The CIELCh color **22, 103.773, 306.385** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **71, 75.600, 106.046**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **42, 103.928, 306.354**, and **13, 80.272, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 104.082, 306.442**, and if you desaturate by 10%, it is **24, 98.224, 305.542**.

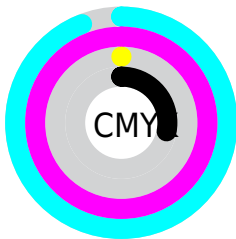
Distribution



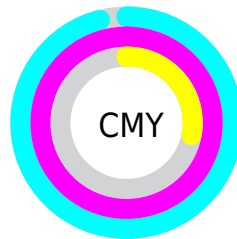
- Red (4%)
- Green (0%)
- Blue (72%)



- Red (4%)
- Yellow (0%)
- Blue (72%)



- Cyan (94%)
- Magenta (99%)
- Yellow (0%)
- Black (28%)





- Cyan (96%)
- Magenta (100%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 103.773, 306.385 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, 103.773, 306.385 by changing the saturation by 10% instead.


 22, 103.773,
306.385


 22, 103.773,
306.385


 100, 103.773,
306.385


 12, 103.773,
306.385


 42, 103.773,
306.385


 2, 103.773,
306.385

 52, 103.773,
306.385

 0, 103.773,
306.385

 62, 103.773,
306.385

 72, 103.773,
306.385

 82, 103.773,
306.385

 92, 103.773,

306.385

■ 22, 103.773,
306.385

■ 22, 103.773,
306.385

■ 22, 104.082,
306.442

■ 24, 98.224,
305.542

■ 28, 89.384,
304.157

■ 32, 78.231,
302.357

■ 38, 66.183,
300.434

■ 44, 54.068,
298.585

■ 50, 42.258,
296.910

■ 56, 30.881,
295.442

■ 62, 19.960,
294.176

■ 69, 9.479, 293.095

Harmonies

Complementary

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



22, 103.773, 306.385



71, 75.600, 106.046

Rectangle

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



22, 103.773, 306.385



22, 103.773, 356.385



22, 103.773, 126.385



22, 103.773, 176.385

Sweetspot

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



22, 103.775, 306.386



71, 38.978, 295.593



65, 36.541, 204.635



35, 27.044, 296.194



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



22, 103.775, 306.386



30, 126.429, 306.400



30, 96.005, 313.132



35, 5.728, 293.090



18, 92.220, 306.476



1, 15.396, 291.799

Inverse Universe

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



43, 86.428, 330.391



56, 104.965, 330.444



66, 86.201, 129.539



36, 6.670, 326.356



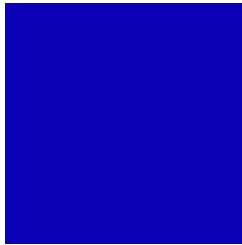
36, 76.747, 330.378



3, 17.858, 326.772

Previews

White Background



This preview shows how the CIE LCh color 22, 103.773, 306.385 looks on a white background.

Color Contrast Check

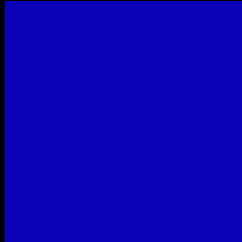
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.773, 306.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

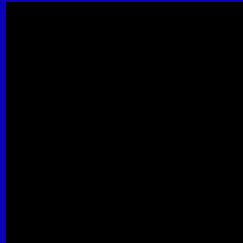
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 103.773, 306.385

Background



This preview shows how black text looks on a background with the CIELCh color 22, 103.773, 306.385.



This preview shows how white text looks on a background with the CIELCh color 22, 103.773, 306.385.

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, 103.745, 306.401

Protanopia

23, 38.992, 283.590

Deuteranopia

23, 27.215, 268.746



Tritanopia
23, 17.918, 200.807

Trichromacy



Original Color
22, 103.745, 306.401

Protanomaly
20, 67.876, 299.906

Deuteranomaly
20, 60.124, 297.932

Tritanomaly
18, 45.706, 292.560

Monochromacy



Original Color
22, 103.745, 306.401

Achromatopsia
9, 0.002, 296.813

Achromatomaly
10, 46.967, 303.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 103.773, 306.385 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(11, 1, 183)` looks like.

```
.text, #text, p{  
    color:rgb(11, 1, 183)  
}
```

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(11, 1, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 1, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 103.773, 306.385 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(11, 1, 183) }
```

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

```
.border{ border-color:rgb(11, 1, 183) }
```

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

Here you see how a box with a 4 pixel rgb(11, 1, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 1, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 1, 183);  
box-shadow:4px 4px 4px 4px rgb(11, 1, 183)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 103.773, 306.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 1, 183) }
```

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

```
.background{ background-color: rgb(11, 1,  
183) }
```

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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