

Converting Colors

CIELCh(22, 104.194, 306.499)

Have a look what the booklet for
CIELCh(22, 104.194, 306.499)
contains.

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Color

CIELCh(22, 103.966, 306.485)

Conversions

Conversions Part 1

Format	Color
Hex	0D00B7
RGB	13, 0, 183
RGB Percent	5%, 0%, 72%
CMY	0.9497, 0.9992, 0.2816
CMYK	0.93, 1.00, 0.00, 0.28
HSL	244°, 100%, 36%
HSV	244°, 100%, 72%
XYZ	8.7321, 3.5154, 45.1197
YIQ	24.7490, -50.9950, 59.6690

Conversions

Conversions Part 2

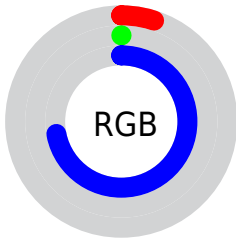
Format	Color
<code>RYB</code>	<code>13, 0, 183</code>
Decimal	<code>852151</code>
CIELab	<code>22.00, 61.82, -83.59</code>
CIELCh	<code>22, 103.966, 306.485</code>
Yxy	<code>3.5154, 0.1522, 0.0613</code>
Android (<code>android.graphics.Color</code>)	<code>4279042231 (0xFF0D00B7)</code>
YUV	<code>24.7490, 78.0177, -10.3039</code>
Hunter-Lab	<code>18.7494, 50.3204, -129.5541</code>

Details

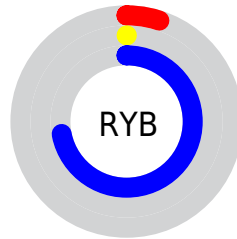
The CIELCh color **22, 103.966, 306.485** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **71, 75.838, 107.094**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **42, 104.371, 306.576**, and **13, 80.272, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 104.025, 306.496**, and if you desaturate by 10%, it is **24, 98.475, 305.710**.

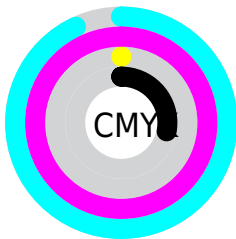
Distribution



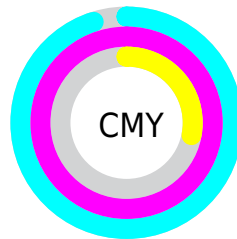
- Red (5%)
- Green (0%)
- Blue (72%)



- Red (5%)
- Yellow (0%)
- Blue (72%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)





- Cyan (95%)
- Magenta (100%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 103.966, 306.485 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, 103.966, 306.485 by changing the saturation by 10% instead.


 22, 103.966,
306.485


 22, 103.966,
306.485


 100, 103.966,
306.485


 12, 103.966,
306.485


 42, 103.966,
306.485


 2, 103.966,
306.485

 52, 103.966,
306.485

 0, 103.966,
306.485

 62, 103.966,
306.485

 72, 103.966,
306.485

 82, 103.966,
306.485

 92, 103.966,

306.485

■ 22, 103.966,
306.485

■ 22, 103.966,
306.485

■ 22, 104.025,
306.496

■ 24, 98.475,
305.710

■ 28, 89.804,
304.430

■ 32, 78.767,
302.731

■ 38, 66.776,
300.896

■ 44, 54.677,
299.119

■ 50, 42.857,
297.501

■ 56, 31.457,
296.076

■ 62, 20.508,
294.845

■ 68, 9.997, 293.790

Harmonies

Complementary

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



22, 103.966, 306.485



71, 75.838, 107.094

Rectangle

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



22, 103.966, 306.485



22, 103.966, 356.485



22, 103.966, 126.485



22, 103.966, 176.485

Sweetspot

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



22, 103.968, 306.486



71, 38.993, 296.157



64, 35.893, 207.707



35, 27.053, 296.736



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, 103.968, 306.486



30, 126.333, 306.447



30, 95.901, 313.532



35, 5.732, 293.737



18, 92.127, 306.538



1, 15.402, 292.296

Inverse Universe

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



43, 85.379, 331.179



55, 103.535, 331.235



66, 86.836, 130.059



36, 6.592, 326.853



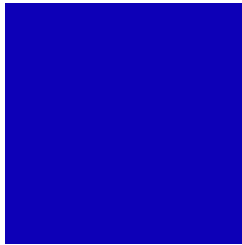
36, 75.732, 331.143



3, 17.546, 327.509

Previews

White Background



This preview shows how the CIELCh color 22, 103.966, 306.485 looks on a white background.

Color Contrast Check

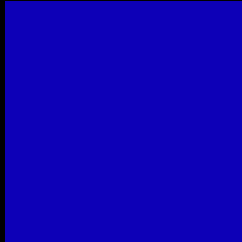
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.966, 306.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

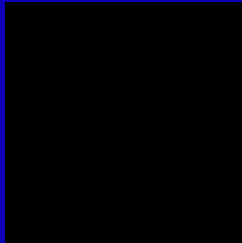
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 103.966, 306.485

Background



This preview shows how black text looks on a background with the CIELCh color 22, 103.966, 306.485.



This preview shows how white text looks on a background with the CIELCh color 22, 103.966, 306.485.

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, 103.934, 306.503

Protanopia

23, 39.601, 284.044

Deuteranopia

23, 27.215, 268.746



Tritanopia
23, 17.795, 203.070

Trichromacy



Original Color
22, 103.934, 306.503

Protanomaly
20, 69.077, 300.350

Deuteranomaly
19, 60.803, 298.382

Tritanomaly
19, 46.321, 292.935

Monochromacy



Original Color
22, 103.934, 306.503

Achromatopsia
9, 0.002, 296.813

Achromatomaly
10, 47.534, 303.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 103.966, 306.485 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(13, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(13, 0, 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(13, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 0, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 103.966, 306.485 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(13, 0, 183) }
```

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

```
.border{ border-color:rgb(13, 0, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 0, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(13, 0, 183)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 103.966, 306.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 0, 183) }
```

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

```
.background{ background-color: rgb(13, 0,  
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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