

Converting Colors

CIELCh(22, 83.082, 303.410)

Have a look what the booklet for
CIELCh(22, 83.082, 303.410)
contains.

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Color

CIELCh(22, 83.085, 303.340)

Conversions

Conversions Part 1

Format	Color
Hex	111DA0
RGB	17, 29, 160
RGB Percent	7%, 11%, 63%
CMY	0.9325, 0.8873, 0.3737
CMYK	0.89, 0.82, 0.00, 0.37
HSL	235°, 81%, 35%
HSV	235°, 89%, 63%
XYZ	6.9874, 3.5154, 33.4334
YIQ	40.3460, -49.2030, 38.1970

Conversions

Conversions Part 2

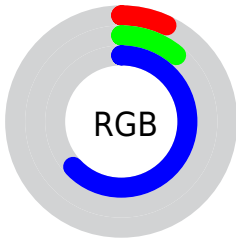
Format	Color
R_{YB}	17, 28, 160
Decimal	1121696
CIE _{Lab}	22.00, 45.66, -69.41
CIE _{LCh}	22, 83.085, 303.340
Yxy	3.5154, 0.1590, 0.0800
Android (android.graphics.Color)	4279311776 (0xFF111DA0)
YUV	40.3460, 58.9894, -20.4744
Hunter-Lab	18.7494, 33.7102, -92.5994

Details

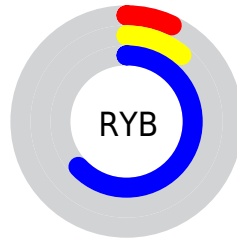
The CIELCh color **22, 83.085, 303.340** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 62.146, 98.178**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 82.986, 303.246**, and **9, 70.627, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **19, 89.978, 305.020**, and if you desaturate by 10%, it is **26, 74.068, 301.096**.

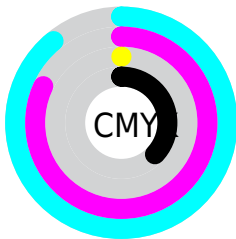
Distribution



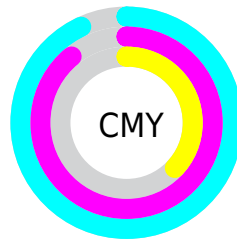
- Red (7%)
- Green (11%)
- Blue (63%)



- Red (7%)
- Yellow (11%)
- Blue (63%)



- Cyan (89%)
- Magenta (82%)
- Yellow (0%)
- Black (37%)





- Cyan (93%)
- Magenta (89%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 83.085, 303.340 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, 83.085, 303.340 by changing the saturation by 10% instead.

 22, 83.085,
303.340


 22, 83.085,
303.340

 100, 83.085,
303.340


 12, 83.085,
303.340


 42, 83.085,
303.340


 2, 83.085, 303.340

 52, 83.085,
303.340

 0, 83.085, 303.340

 62, 83.085,
303.340

 72, 83.085,
303.340

 82, 83.085,
303.340

 92, 83.085,

303.340

■ 22, 83.085,
303.340

■ 22, 83.085,
303.340

■ 19, 89.978,
305.020

■ 26, 74.068,
301.096

■ 19, 90.398,
305.111

■ 30, 64.073,
298.645

■ 35, 53.904,
296.240

■ 40, 43.945,
294.029

■ 45, 34.330,
292.074

■ 50, 25.086,
290.382

■ 56, 16.197,
288.933

■ 61, 7.637, 287.699

■ 66, 0.620, 106.496

Harmonies

Complementary

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



22, 83.085, 303.340



61, 62.146, 98.178

Rectangle

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



22, 83.085, 303.340



22, 83.085, 353.340



22, 83.085, 123.340



22, 83.085, 173.340

Sweetspot

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



22, 83.086, 303.341



65, 28.481, 290.115



59, 36.917, 185.597



32, 19.463, 290.614



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



22, 83.086, 303.341



26, 110.457, 305.375



25, 84.081, 310.551



31, 4.641, 287.701



17, 82.851, 304.961



1, 6.011, 286.900

Inverse Universe

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



34, 64.281, 32.062



43, 85.855, 37.069



60, 71.192, 123.877



31, 3.549, 13.348



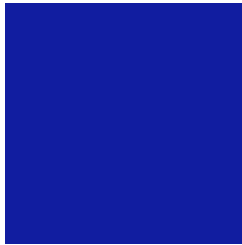
29, 64.379, 35.823



1, 4.507, 13.038

Previews

White Background



This preview shows how the CIE LCh color 22, 83.085, 303.340 looks on a white background.

Color Contrast Check

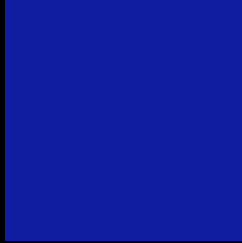
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 22, 83.085, 303.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

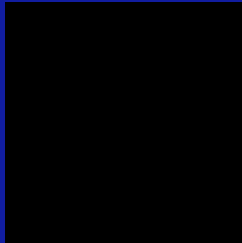
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 83.085, 303.340

Background



This preview shows how black text looks on a background with the CIELCh color 22, 83.085, 303.340.



This preview shows how white text looks on a background with the CIELCh color 22, 83.085, 303.340.

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, 83.113, 303.298

Protanopia

22, 37.892, 283.450

Deuteranopia

22, 26.639, 268.815



Tritanopia
22, 17.218, 203.351

Trichromacy



Original Color
22, 83.113, 303.298

Protanomaly
21, 55.158, 295.054

Deuteranomaly
21, 48.302, 292.357

Tritanomaly
20, 34.305, 283.079

Monochromacy



Original Color
22, 83.113, 303.298

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 33.293, 296.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 83.085, 303.340 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(17, 29, 160)` looks like.

```
.text, #text, p{  
    color:rgb(17, 29, 160)  
}
```

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(17, 29, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 29, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 83.085, 303.340 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(17, 29, 160) }
```

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

```
.border{ border-color:rgb(17, 29, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 29, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 29, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 29, 160);  
box-shadow:4px 4px 4px 4px rgb(17, 29,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 83.085, 303.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 29, 160) }
```

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

```
.background{ background-color: rgb(17, 29,  
160) }
```

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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