

Converting Colors

CIELCh(22, 51.198, 300.362)

Have a look what the booklet for
CIELCh(22, 51.198, 300.362)
contains.

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Color

CIELCh(22, 50.982, 300.240)

Conversions

Conversions Part 1

Format	Color
Hex	2B2A77
RGB	43, 42, 119
RGB Percent	17%, 16%, 47%
CMY	0.8308, 0.8349, 0.5328
CMYK	0.64, 0.65, 0.00, 0.53
HSL	241°, 48%, 32%
HSV	241°, 65%, 47%
XYZ	5.1718, 3.5154, 17.8998
YIQ	51.0770, -24.1210, 24.1590

Conversions

Conversions Part 2

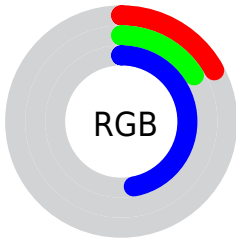
Format	Color
R_{YB}	43, 42, 119
Decimal	2828919
CIE _{Lab}	22.00, 25.68, -44.04
CIE _{LCh}	22, 50.982, 300.240
Yxy	3.5154, 0.1945, 0.1322
Android (android.graphics.Color)	4281018999 (0xFF2B2A77)
YUV	51.0770, 33.4860, -7.0835
Hunter-Lab	18.7494, 16.4255, -43.4785




Details

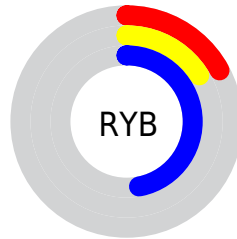
The CIELCh color **22, 50.982, 300.240** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **49, 42.328, 105.169**, and the grayscale version is **21, 0.004, 296.813**.




A 20% lighter version of the original color is **42, 50.729, 300.253**, and **4, 49.042, 303.550** is the 20% darker color. If you saturate the color by 10%, you get **18, 59.431, 302.282**, and if you desaturate by 10%, it is **26, 42.384, 298.241**.

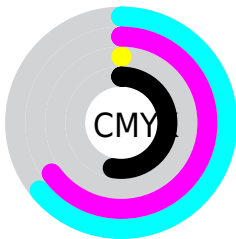
Distribution







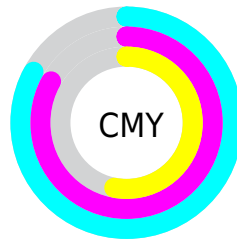
-  Red (17%)
-  Green (16%)
-  Blue (47%)






-  Red (17%)
-  Yellow (16%)
-  Blue (47%)



-  Cyan (64%)
-  Magenta (65%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (83%)
-  Magenta (83%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 50.982, 300.240 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, 50.982, 300.240 by changing the saturation by 10% instead.

■ 22, 50.982,
300.240

■ 22, 50.982,
300.240

■ 100, 50.982,
300.240

■ 12, 50.982,
300.240

■ 42, 50.982,
300.240

■ 2, 50.982, 300.240

■ 52, 50.982,
300.240

■ 0, 50.982, 300.240

■ 62, 50.982,
300.240

■ 72, 50.982,
300.240

■ 82, 50.982,
300.240

■ 92, 50.982,

300.240

■ 22, 50.982,
300.240

■ 22, 50.982,
300.240

■ 18, 59.431,
302.282

■ 26, 42.384,
298.241

■ 15, 67.059,
304.140

■ 30, 33.957,
296.407

■ 13, 72.988,
305.576

■ 35, 25.821,
294.784

■ 12, 76.152,
306.354

■ 39, 18.001,
293.379

■ 44, 10.492,
292.174

■ 48, 3.273, 291.150

■ 52, 3.676, 110.245

■ 57, 10.375,
109.496

■ 61, 16.841,
108.848

Harmonies

Complementary

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



22, 50.982, 300.240



49, 42.328, 105.169

Rectangle

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



22, 50.982, 300.240



22, 50.982, 350.240



22, 50.982, 120.240



22, 50.982, 170.240

Sweetspot

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



22, 50.982, 300.241



54, 17.083, 292.732



46, 24.025, 196.845



26, 11.904, 293.020



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



22, 50.982, 300.241



23, 77.233, 303.311



26, 50.519, 312.157



22, 3.937, 291.575



12, 77.647, 306.352



32, 131.723, 306.314

Inverse Universe

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



32, 51.729, 327.919



39, 72.300, 328.385



46, 46.021, 126.395



23, 4.714, 325.252



28, 66.448, 328.757



59, 112.592, 328.786

Previews

White Background



This preview shows how the CIE LCh color 22, 50.982, 300.240 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, 50.982, 300.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

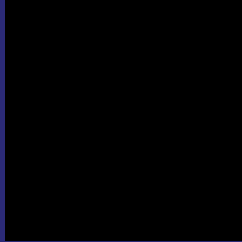
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 50.982, 300.240

Background



This preview shows how black text looks on a background with the CIELCh color 22, 50.982, 300.240.



This preview shows how white text looks on a background with the CIELCh color 22, 50.982, 300.240.

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, 50.982, 300.240

Protanopia

22, 38.568, 284.323

Deuteranopia

22, 27.739, 271.235



Tritanopia
22, 17.123, 205.740

Trichromacy



Original Color
22, 50.982, 300.240

Protanomaly
22, 42.904, 290.206

Deuteranomaly
21, 35.864, 285.350

Tritanomaly
21, 22.004, 266.844

Monochromacy



Original Color
22, 50.982, 300.240

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 18.941, 294.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 50.982, 300.240 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(43, 42, 119)` looks like.

```
.text, #text, p{  
    color:rgb(43, 42, 119)  
}
```

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(43, 42, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 42, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 50.982, 300.240 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(43, 42, 119) }
```

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

```
.border{ border-color:rgb(43, 42, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 42, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 42, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 42, 119);  
box-shadow:4px 4px 4px 4px rgb(43, 42,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 50.982, 300.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 42, 119) }
```

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

```
.background{ background-color: rgb(43, 42,  
119) }
```

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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