

Converting Colors

CIELCh(22, 63.817, 315.911)

Have a look what the booklet for
CIELCh(22, 63.817, 315.911)
contains.

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Color

CIELCh(22, 63.813, 315.830)

Conversions

Conversions Part 1

Format	Color
Hex	511178
RGB	81, 17, 120
RGB Percent	32%, 7%, 47%
CMY	0.6820, 0.9329, 0.5291
CMYK	0.32, 0.86, 0.00, 0.53
HSL	277°, 75%, 27%
HSV	277°, 86%, 47%
XYZ	6.9981, 3.5154, 18.1063
YIQ	47.8780, 5.0810, 45.6010

Conversions

Conversions Part 2

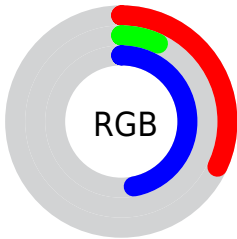
Format	Color
R_{YB}	81, 17, 120
Decimal	5312888
CIE _{Lab}	22.00, 45.77, -44.46
CIE _{LCh}	22, 63.813, 315.830
Yxy	3.5154, 0.2445, 0.1228
Android (android.graphics.Color)	4283502968 (0xFF511178)
YUV	47.8780, 35.5561, 29.0480
Hunter-Lab	18.7494, 33.8127, -44.1315

Details

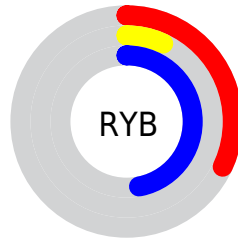
The CIELCh color **22, 63.813, 315.830** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 59.355, 130.319**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **42, 63.578, 315.959**, and **7, 48.818, 311.701** is the 20% darker color. If you saturate the color by 10%, you get **20, 67.798, 315.509**, and if you desaturate by 10%, it is **24, 58.408, 315.908**.

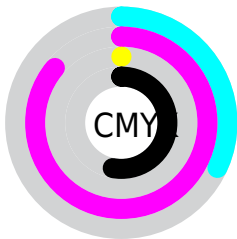
Distribution



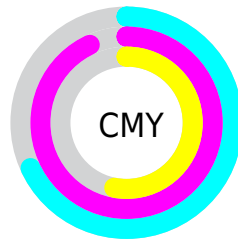
- Red (32%)
- Green (7%)
- Blue (47%)



- Red (32%)
- Yellow (7%)
- Blue (47%)



- Cyan (32%)
- Magenta (86%)
- Yellow (0%)
- Black (53%)





- Cyan (68%)
- Magenta (93%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 63.813, 315.830 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, 63.813, 315.830 by changing the saturation by 10% instead.


 22, 63.813,
315.830


 22, 63.813,
315.830

 100, 63.813,
315.830


 12, 63.813,
315.830


 42, 63.813,
315.830


 2, 63.813, 315.830

 52, 63.813,
315.830

 0, 63.813, 315.830

 62, 63.813,
315.830

 72, 63.813,
315.830

 82, 63.813,
315.830

 92, 63.813,

315.830

■ 22, 63.813,
315.830

■ 22, 63.813,
315.830

■ 20, 67.798,
315.509

■ 24, 58.408,
315.908

■ 19, 69.482,
315.400

■ 27, 51.781,
315.769

■ 30, 44.352,
315.482

■ 34, 36.472,
315.107

■ 37, 28.398,
314.686

■ 41, 20.303,
314.250

■ 45, 12.297,
313.818

■ 48, 4.443, 313.392

■ 52, 3.223, 133.065

Harmonies

Complementary

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



22, 63.813, 315.830



45, 59.355, 130.319

Rectangle

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



22, 63.813, 315.830



22, 63.813, 5.830



22, 63.813, 135.830



22, 63.813, 185.830

Sweetspot

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



22, 63.813, 315.830



52, 25.352, 314.289



25, 41.921, 286.924



25, 17.360, 314.410



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, 63.813, 315.830



26, 83.981, 315.144



28, 57.700, 332.539



24, 4.432, 313.535



20, 71.513, 315.357



45, 120.867, 314.797

Inverse Universe

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



26, 45.046, 5.777



33, 58.780, 12.946



44, 60.960, 139.176



24, 3.216, 351.478



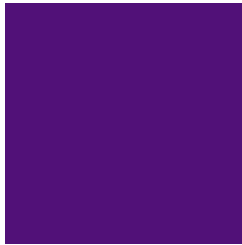
25, 50.007, 11.767



54, 84.813, 14.881

Previews

White Background



This preview shows how the CIE LCh color 22, 63.813, 315.830 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, 63.813, 315.830 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, 63.813, 315.830

Background



This preview shows how black text looks on a background with the CIELCh color 22, 63.813, 315.830.



This preview shows how white text looks on a background with the CIELCh color 22, 63.813, 315.830.

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, 63.813, 315.830

Protanopia

23, 39.054, 283.984

Deuteranopia

23, 28.307, 271.106



Tritanopia
23, 9.861, 5.989

Trichromacy



Original Color
22, 63.813, 315.830

Protanomaly
20, 49.651, 297.526

Deuteranomaly
20, 42.553, 294.964

Tritanomaly
21, 29.928, 323.888

Monochromacy



Original Color
22, 63.813, 315.830

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 26.721, 315.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 63.813, 315.830 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(81, 17, 120)` looks like.

```
.text, #text, p{  
    color:rgb(81, 17, 120)  
}
```

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(81, 17, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 17, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 63.813, 315.830 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(81, 17, 120) }
```

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

```
.border{ border-color:rgb(81, 17, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 17, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 17, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 17, 120);  
box-shadow:4px 4px 4px 4px rgb(81, 17,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 63.813, 315.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 17, 120) }
```

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

```
.background{ background-color: rgb(81, 17,  
120) }
```

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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