

Converting Colors

CIELCh(22, 67.968, 315.110)

Have a look what the booklet for
CIELCh(22, 67.968, 315.110)
contains.

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Color

CIELCh(22, 68.170, 315.159)

Conversions

Conversions Part 1	
Format	Color
Hex	510D7E
RGB	81, 13, 126
RGB Percent	32%, 5%, 49%
CMY	0.6834, 0.9505, 0.5069
CMYK	0.36, 0.90, 0.00, 0.51
HSL	276°, 82%, 27%
HSV	276°, 90%, 49%
XYZ	7.2583, 3.5154, 19.9459
YIQ	46.2140, 4.2550, 49.5590

Conversions

Conversions Part 2

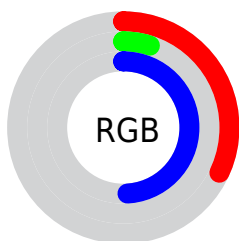
Format	Color
RYB	81, 13, 126
Decimal	5311870
CIELab	22.00, 48.34, -48.07
CIELCh	22, 68.170, 315.159
Yxy	3.5154, 0.2363, 0.1144
Android (android.graphics.Color)	4283501950 (0xFF510D7E)
YUV	46.2140, 39.3345, 30.5073
Hunter-Lab	18.7494, 36.2896, -49.9488

Details

The CIELCh color **22, 68.170, 315.159** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **47, 62.847, 129.994**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 68.289, 315.044**, and **7, 52.508, 310.496** is the 20% darker color. If you saturate the color by 10%, you get **20, 72.095, 314.822**, and if you desaturate by 10%, it is **24, 63.194, 315.352**.

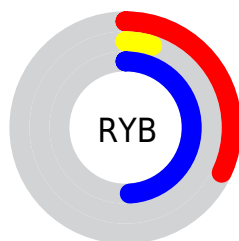
Distribution



Red (32%)

Green (5%)

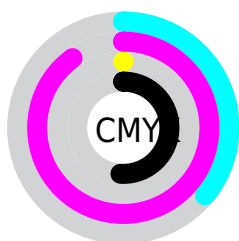
Blue (49%)



Red (32%)

Yellow (5%)

Blue (49%)

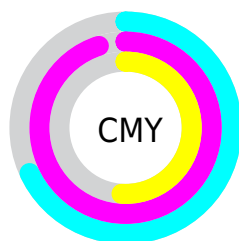


Cyan (36%)

Magenta (90%)

Yellow (0%)

Black (51%)



Cyan (68%)


Magenta (95%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 68.170, 315.159 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, 68.170, 315.159 by changing the saturation by 10% instead.

 22, 68.170,
315.159


 22, 68.170,
315.159

 100, 68.170,
315.159


 12, 68.170,
315.159


 42, 68.170,
315.159


 2, 68.170, 315.159

 52, 68.170,
315.159

 0, 68.170, 315.159

 62, 68.170,
315.159

 72, 68.170,
315.159

 82, 68.170,
315.159

 92, 68.170,

315.159

■ 22, 68.170,
315.159

■ 22, 68.170,
315.159

■ 20, 72.095,
314.822

■ 24, 63.194,
315.352

■ 20, 72.114,
314.820

■ 27, 56.753,
315.286

■ 30, 49.304,
315.039

■ 34, 41.258,
314.680

■ 37, 32.926,
314.260

■ 41, 24.522,
313.816

■ 45, 16.179,
313.372

■ 49, 7.981, 312.939

■ 53, 0.029, 136.237

Harmonies

Complementary

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



22, 68.170, 315.159



47, 62.847, 129.994

Rectangle

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



22, 68.170, 315.159



22, 68.170, 5.159



22, 68.170, 135.159



22, 68.170, 185.159

Sweetspot

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



22, 68.170, 315.159



54, 27.303, 313.713



26, 44.560, 287.381



26, 18.347, 313.834



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



22, 68.170, 315.159



27, 87.367, 314.567



29, 61.515, 332.047



25, 4.566, 312.903



20, 72.849, 314.805



0, 0.000, 0.000

Inverse Universe

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



27, 47.811, 5.909



34, 60.698, 11.333



46, 65.485, 138.239



25, 3.366, 350.277



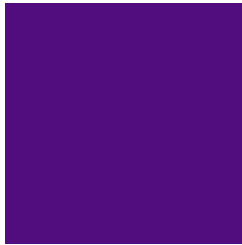
26, 50.608, 10.076



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 22, 68.170, 315.159 looks on a white background.

Color Contrast Check

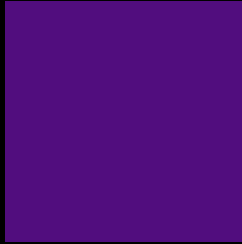
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68.170, 315.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

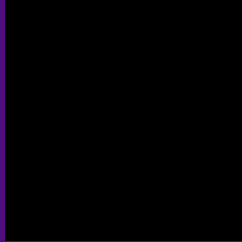
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 68.170, 315.159

Background



This preview shows how black text looks on a background with the CIELCh color 22, 68.170, 315.159.



This preview shows how white text looks on a background with the CIELCh color 22, 68.170, 315.159.

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

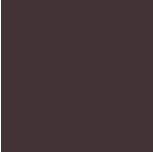
22, 68.170, 315.159

Protanopia

23, 39.054, 283.984

Deuteranopia

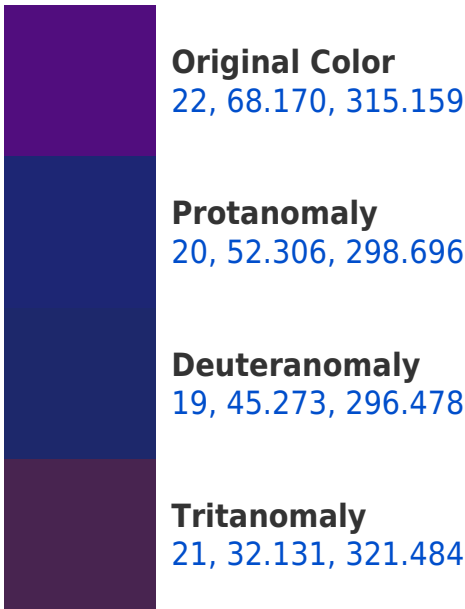
23, 28.307, 271.106



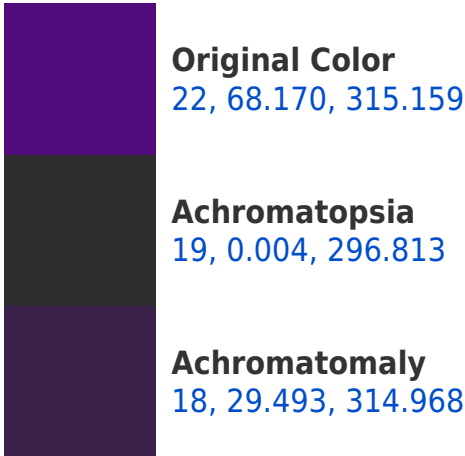
Tritanopia

23, 8.446, 2.926

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 68.170, 315.159 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, 13, 126)` looks like.

```
.text, #text, p{  
    color:rgb(81, 13, 126)  
}
```

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, 13, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 13, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 68.170, 315.159 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, 13, 126) }
```

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

```
.border{ border-color:rgb(81, 13, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 13, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 13, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 13, 126);  
box-shadow:4px 4px 4px 4px rgb(81, 13,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 68.170, 315.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 13, 126) }
```

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

```
.background{ background-color: rgb(81, 13,  
126) }
```

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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