

Converting Colors

CIELCh(10, 90.274, 336.416)

Have a look what the booklet for
CIELCh(10, 90.274, 336.416)
contains.

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Color

CIELCh(21, 49.593, 339.092)

Conversions

Conversions Part 1

Format	Color
Hex	64004D
RGB	100, 0, 77
RGB Percent	39%, 0%, 30%
CMY	0.6067, 1.0000, 0.6966
CMYK	0.00, 1.00, 0.23, 0.61
HSL	314°, 100%, 20%
HSV	314°, 100%, 39%
XYZ	6.6287, 3.2451, 7.3655
YIQ	38.6780, 34.8830, 45.1470

Conversions

Conversions Part 2

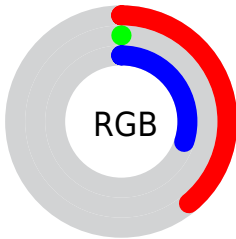
Format	Color
RYB	100, 0, 77
Decimal	6553677
CIELab	21.00, 46.33, -17.70
CIElCh	21, 49.593, 339.092
Yxy	3.2451, 0.3845, 0.1882
Android (android.graphics.Color)	4284743757 (0xFF64004D)
YUV	38.6780, 18.8927, 53.7794
Hunter-Lab	18.0142, 34.1580, -11.6321

Details

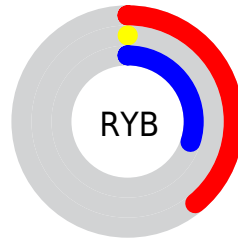
The CIELCh color **21, 49.593, 339.092** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **36, 54.499, 140.325**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 49.206, 339.230**, and **7, 29.596, 344.744** is the 20% darker color. If you saturate the color by 10%, you get **21, 49.325, 339.130**, and if you desaturate by 10%, it is **22, 47.476, 338.135**.

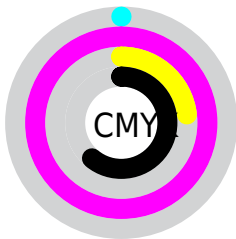
Distribution



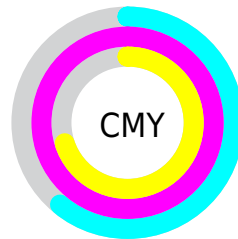
- Red (39%)
- Green (0%)
- Blue (30%)



- Red (39%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (61%)





- Cyan (61%)
- Magenta (100%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 49.593, 339.092 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 21, 49.593, 339.092 by changing the saturation by 10% instead.

 21, 49.593,
339.092


 21, 49.593,
339.092

 100, 49.593,
339.092


 11, 49.593,
339.092


 41, 49.593,
339.092


 1, 49.593, 339.092

 51, 49.593,
339.092

 0, 49.593, 339.092

 61, 49.593,
339.092

 71, 49.593,
339.092

 81, 49.593,
339.092

 91, 49.593,

339.092

■ 21, 49.593,
339.092

■ 21, 49.593,
339.092

■ 21, 49.325,
339.130

■ 22, 47.476,
338.135

■ 23, 45.071,
337.171

■ 25, 41.437,
336.310

■ 27, 36.776,
335.519

■ 29, 31.343,
334.778

■ 31, 25.390,
334.073

■ 34, 19.134,
333.398

■ 37, 12.743,
332.747

■ 40, 6.339, 332.112

Harmonies

Complementary

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



21, 49.593, 339.092



36, 54.499, 140.325

Rectangle

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



21, 49.593, 339.092



21, 49.593, 29.092



21, 49.593, 159.092



21, 49.593, 209.092

Sweetspot

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



21, 49.325, 339.130



44, 23.687, 333.455



10, 65.899, 307.851



21, 16.272, 333.656



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



21, 49.325, 339.130



29, 59.088, 339.525



19, 43.751, 18.956



20, 3.607, 332.044



25, 54.124, 339.344



55, 92.963, 340.199

Inverse Universe

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



21, 49.325, 339.130



29, 59.088, 339.525



37, 34.176, 164.547



20, 3.607, 332.044



25, 54.124, 339.344



55, 92.963, 340.199

Previews

White Background



This preview shows how the CIELCh color 21, 49.593, 339.092 looks on a white background.

Color Contrast Check

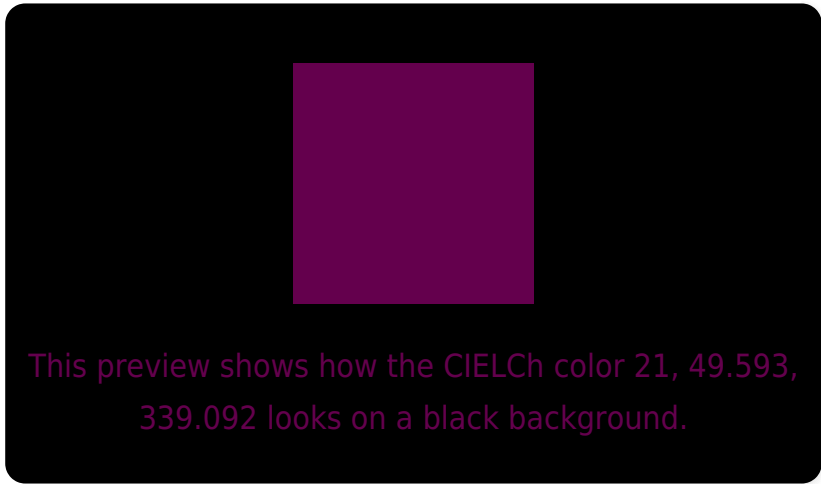
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

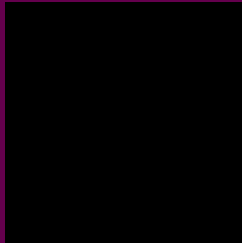
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 49.593, 339.092

Background



This preview shows how black text looks on a background with the CIELCh color 21, 49.593, 339.092.



This preview shows how white text looks on a background with the CIELCh color 21, 49.593, 339.092.

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

21, 49.180, 339.211

Protanopia

23, 38.190, 285.554

Deuteranopia

23, 12.080, 285.193



Tritanopia
22, 34.126, 26.689

Trichromacy



Original Color
21, 49.180, 339.211

Protanomaly
18, 43.569, 303.825

Deuteranomaly
20, 29.803, 322.416

Tritanomaly
21, 37.007, 4.299

Monochromacy



Original Color
21, 49.180, 339.211

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 24.360, 334.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 49.593, 339.092 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(100, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(100, 0, 77)  
}
```

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(100, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 0, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 49.593, 339.092 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(100, 0, 77) }
```

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

```
.border{ border-color:rgb(100, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(100, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(100, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 49.593, 339.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 0, 77) }
```

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

```
.background{ background-color: rgb(100, 0,  
77) }
```

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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