

Converting Colors

CIELCh(21, 49.442, 339.969)

Have a look what the booklet for
CIELCh(21, 49.442, 339.969)
contains.

CIELCh(21, 48.927, 340.289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(21, 48.927, 340.289)

Conversions

Conversions Part 1

Format	Color
Hex	65004C
RGB	101, 0, 76
RGB Percent	40%, 0%, 30%
CMY	0.6056, 1.0000, 0.7035
CMYK	0.00, 1.00, 0.25, 0.61
HSL	315°, 100%, 20%
HSV	315°, 100%, 39%
XYZ	6.6029, 3.2451, 7.0459
YIQ	38.8630, 35.8000, 45.0480

Conversions

Conversions Part 2

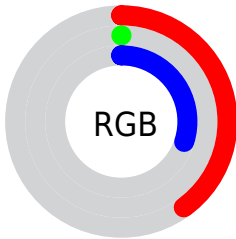
Format	Color
R_{YB}	101, 0, 76
Decimal	6619212
CIE _{Lab}	21.00, 46.06, -16.50
CIE _{LCh}	21, 48.927, 340.289
Yxy	3.2451, 0.3908, 0.1921
Android (android.graphics.Color)	4284809292 (0xFF65004C)
YUV	38.8630, 18.3085, 54.4941
Hunter-Lab	18.0142, 33.9023, -10.5801

Details

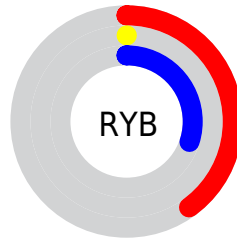
The CIELCh color **21, 48.927, 340.289** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **37, 53.949, 140.846**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 49.067, 340.175**, and **8, 29.486, 346.852** is the 20% darker color. If you saturate the color by 10%, you get **21, 48.764, 340.316**, and if you desaturate by 10%, it is **22, 46.956, 339.215**.

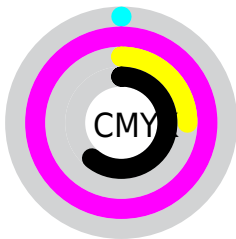
Distribution



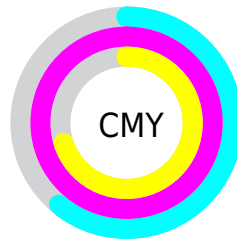
- Red (40%)
- Green (0%)
- Blue (30%)



- Red (40%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (61%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 48.927, 340.289 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, 48.927, 340.289 by changing the saturation by 10% instead.

 21, 48.927,
340.289

 21, 48.927,
340.289

 100, 48.927,
340.289

 11, 48.927,
340.289

 41, 48.927,
340.289

 1, 48.927, 340.289

 51, 48.927,
340.289

 0, 48.927, 340.289

 61, 48.927,
340.289

 71, 48.927,
340.289

 81, 48.927,
340.289

 91, 48.927,

340.289

■ 21, 48.927,
340.289

■ 21, 48.927,
340.289

■ 21, 48.764,
340.316

■ 22, 46.956,
339.215

■ 23, 44.591,
338.156

■ 25, 41.000,
337.222

■ 27, 36.387,
336.378

■ 29, 31.007,
335.596

■ 31, 25.113,
334.861

■ 34, 18.921,
334.162

■ 37, 12.599,
333.493

■ 40, 6.266, 332.843

Harmonies

Complementary

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



21, 48.927, 340.289



37, 53.949, 140.846

Rectangle

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



21, 48.927, 340.289



21, 48.927, 30.289



21, 48.927, 160.289



21, 48.927, 210.289

Sweetspot

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



21, 48.764, 340.316



44, 23.370, 334.220



10, 65.868, 308.029



21, 16.056, 334.427



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, 48.764, 340.316



28, 58.289, 340.755



19, 44.145, 20.425



20, 3.557, 332.774



25, 53.399, 340.552



54, 91.667, 341.516

Inverse Universe

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



21, 48.764, 340.316



28, 58.289, 340.755



37, 33.565, 165.918



20, 3.557, 332.774



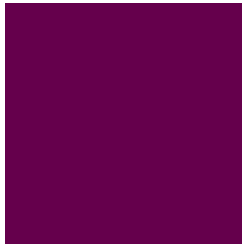
25, 53.399, 340.552



54, 91.667, 341.516

Previews

White Background



This preview shows how the CIE LCh color 21, 48.927, 340.289 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 21, 48.927, 340.289 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 21, 48.927, 340.289

Background



This preview shows how black text looks on a background with the CIELCh color 21, 48.927, 340.289.



This preview shows how white text looks on a background with the CIELCh color 21, 48.927, 340.289.

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, 48.927, 340.289

Protanopia

23, 36.223, 285.256

Deuteranopia

23, 11.384, 286.531



Tritanopia
22, 34.361, 27.714

Trichromacy



Original Color
21, 48.927, 340.289

Protanomaly
19, 42.279, 305.049

Deuteranomaly
20, 29.388, 323.845

Tritanomaly
21, 36.965, 5.327

Monochromacy



Original Color
21, 48.927, 340.289

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 23.914, 336.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 48.927, 340.289 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(101, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 76)  
}
```

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(101, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 48.927, 340.289 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(101, 0, 76) }
```

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

```
.border{ border-color:rgb(101, 0, 76) }
```

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

Here you see how a box with a 4 pixel rgb(101, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(101, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 48.927, 340.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 76) }
```

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

```
.background{ background-color: rgb(101, 0,  
76) }
```

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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