

Converting Colors

CIELCh(21, 48.472, 341.831)

Have a look what the booklet for
CIELCh(21, 48.472, 341.831)
contains.

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Color

CIELCh(21, 48.285, 341.531)

Conversions

Conversions Part 1

Format	Color
Hex	65004A
RGB	101, 0, 74
RGB Percent	40%, 0%, 29%
CMY	0.6046, 1.0000, 0.7104
CMYK	0.00, 1.00, 0.27, 0.60
HSL	316°, 100%, 20%
HSV	316°, 100%, 40%
XYZ	6.5777, 3.2451, 6.7332
YIQ	38.6350, 36.4420, 44.4260

Conversions

Conversions Part 2

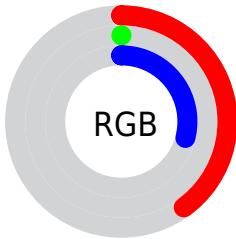
Format	Color
RYB	101, 0, 74
Decimal	6619210
CIELab	21.00, 45.80, -15.30
CIElCh	21, 48.285, 341.531
Yxy	3.2451, 0.3973, 0.1960
Android (android.graphics.Color)	4284809290 (0xFF65004A)
YUV	38.6350, 17.4349, 54.6941
Hunter-Lab	18.0142, 33.6524, -9.5511

Details

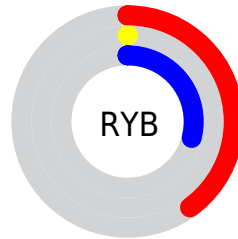
The CIELCh color **21, 48.285, 341.531** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 53.370, 141.397**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 48.416, 341.286**, and **7, 28.928, 349.445** is the 20% darker color. If you saturate the color by 10%, you get **21, 48.225, 341.543**, and if you desaturate by 10%, it is **22, 46.453, 340.329**.

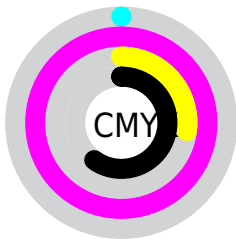
Distribution



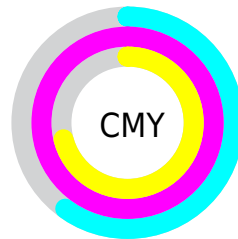
- Red (40%)
- Green (0%)
- Blue (29%)



- Red (40%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (60%)





- Cyan (60%)
- Magenta (100%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 48.285, 341.531 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, 48.285, 341.531 by changing the saturation by 10% instead.

 21, 48.285,
341.531


 21, 48.285,
341.531

 100, 48.285,
341.531


 11, 48.285,
341.531


 41, 48.285,
341.531


 1, 48.285, 341.531

 51, 48.285,
341.531

 0, 48.285, 341.531

 61, 48.285,
341.531

 71, 48.285,
341.531

 81, 48.285,
341.531

 91, 48.285,

341.531

■ 21, 48.285,
341.531

■ 21, 48.285,
341.531

■ 21, 48.225,
341.543

■ 22, 46.453,
340.329

■ 23, 44.124,
339.170

■ 25, 40.573,
338.161

■ 27, 36.005,
337.260

■ 29, 30.676,
336.436

■ 31, 24.839,
335.669

■ 34, 18.710,
334.945

■ 37, 12.455,
334.258

■ 40, 6.194, 333.593

Harmonies

Complementary

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



21, 48.285, 341.531



37, 53.370, 141.397

Rectangle

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



21, 48.285, 341.531



21, 48.285, 31.531



21, 48.285, 161.531



21, 48.285, 211.531

Sweetspot

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



21, 48.225, 341.543



44, 23.058, 335.005



10, 65.650, 308.423



21, 15.843, 335.219



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, 48.225, 341.543



28, 57.525, 342.028



19, 44.934, 23.258



20, 3.507, 333.522



25, 52.704, 341.800



54, 90.431, 342.878

Inverse Universe

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



21, 48.225, 341.543



28, 57.525, 342.028



38, 32.302, 168.831



20, 3.507, 333.522



25, 52.704, 341.800



54, 90.431, 342.878

Previews

White Background



This preview shows how the CIELCh color 21, 48.285, 341.531 looks on a white background.

Color Contrast Check

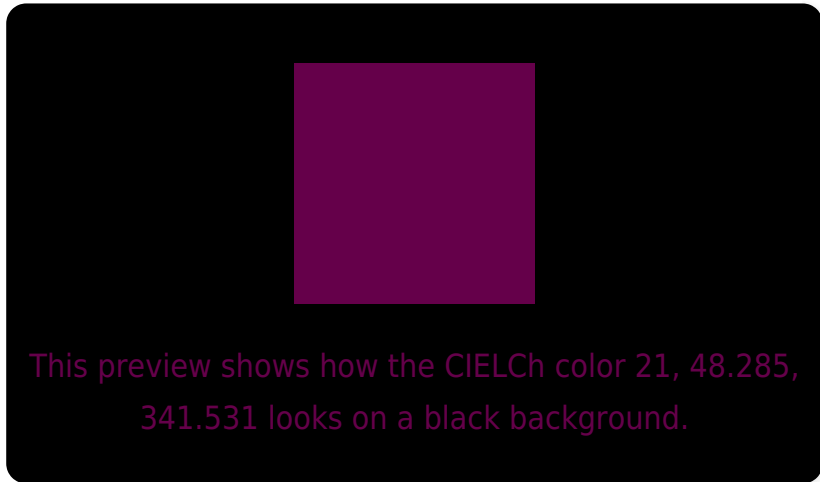
Large Text (above 18pt) WCAG AA ✓ Pass

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

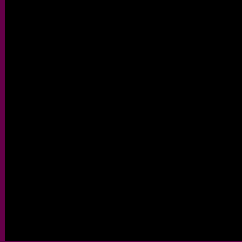
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 48.285, 341.531

Background



This preview shows how black text looks on a background with the CIELCh color 21, 48.285, 341.531.



This preview shows how white text looks on a background with the CIELCh color 21, 48.285, 341.531.

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, 48.285, 341.531

Protanopia

23, 34.875, 285.385

Deuteranopia

23, 10.711, 290.319



Tritanopia
22, 35.154, 27.157

Trichromacy



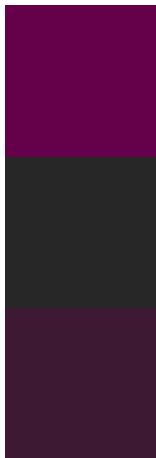
Original Color
21, 48.285, 341.531

Protanomaly
19, 41.012, 306.458

Deuteranomaly
20, 28.474, 326.072

Tritanomaly
21, 37.642, 5.463

Monochromacy



Original Color
21, 48.285, 341.531

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, 48.285, 341.531 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 48.285, 341.531 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, 74) }
```

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

```
.border{ border-color:rgb(101, 0, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(101, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 48.285, 341.531 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, 74) }
```

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

```
.background{ background-color: rgb(101, 0,  
74) }
```

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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