

Converting Colors

CIELCh(21, 47.396, 347.072)

Have a look what the booklet for
CIELCh(21, 47.396, 347.072)
contains.

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Color

CIELCh(21, 46.537, 347.232)

Conversions

Conversions Part 1

Format	Color
Hex	670043
RGB	103, 0, 67
RGB Percent	40%, 0%, 26%
CMY	0.5978, 1.0000, 0.7387
CMYK	0.00, 1.00, 0.35, 0.60
HSL	321°, 100%, 20%
HSV	321°, 100%, 40%
XYZ	6.5382, 3.2451, 5.5327
YIQ	38.4350, 39.8810, 42.6730

Conversions

Conversions Part 2

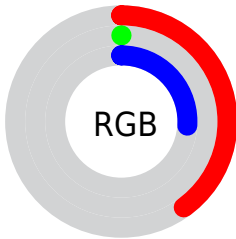
Format	Color
RYB	103, 0, 67
Decimal	6750275
CIELab	21.00, 45.39, -10.28
CIELCh	21, 46.537, 347.232
Yxy	3.2451, 0.4269, 0.2119
Android (android.graphics.Color)	4284940355 (0xFF670043)
YUV	38.4350, 14.0825, 56.6235
Hunter-Lab	18.0142, 33.2609, -5.5997

Details

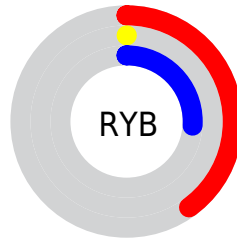
The CIELCh color **21, 46.537, 347.232** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **37, 50.838, 144.074**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 46.782, 347.301**, and **7, 28.162, 357.325** is the 20% darker color. If you saturate the color by 10%, you get **21, 46.378, 347.284**, and if you desaturate by 10%, it is **22, 44.704, 345.523**.

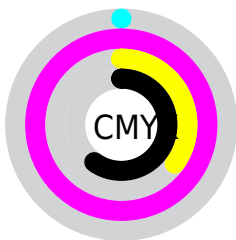
Distribution



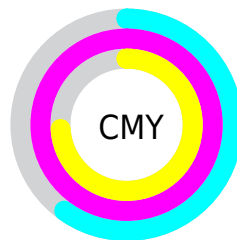
- Red (40%)
- Green (0%)
- Blue (26%)



- Red (40%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (60%)





- Cyan (60%)
- Magenta (100%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 46.537, 347.232 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, 46.537, 347.232 by changing the saturation by 10% instead.

 21, 46.537,
347.232


 21, 46.537,
347.232

 100, 46.537,
347.232

 11, 46.537,
347.232

 41, 46.537,
347.232


 1, 46.537, 347.232

 51, 46.537,
347.232

 0, 46.537, 347.232

 61, 46.537,
347.232

 71, 46.537,
347.232

 81, 46.537,
347.232

 91, 46.537,

347.232

■ 21, 46.537,
347.232

■ 21, 46.537,
347.232

■ 21, 46.378,
347.284

■ 22, 44.704,
345.523

■ 23, 42.476,
343.880

■ 25, 39.048,
342.509

■ 27, 34.624,
341.337

■ 29, 29.468,
340.309

■ 32, 23.831,
339.389

■ 34, 17.928,
338.548

■ 37, 11.919,
337.770

■ 40, 5.920, 337.034

Harmonies

Complementary

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



21, 46.537, 347.232



37, 50.838, 144.074

Rectangle

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



21, 46.537, 347.232



21, 46.537, 37.232



21, 46.537, 167.232



21, 46.537, 217.232

Sweetspot

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



21, 46.378, 347.284



44, 22.140, 338.616



12, 65.478, 309.601



21, 14.978, 338.858



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, 46.378, 347.284



28, 55.417, 348.013



20, 47.585, 29.453



20, 3.306, 336.954



24, 50.094, 347.619



53, 85.888, 349.247

Inverse Universe

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



21, 46.378, 347.284



28, 55.417, 348.013



38, 29.619, 177.150



20, 3.306, 336.954



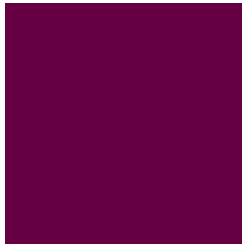
24, 50.094, 347.619



53, 85.888, 349.247

Previews

White Background



This preview shows how the CIE LCh color 21, 46.537, 347.232 looks on a white background.

Color Contrast Check

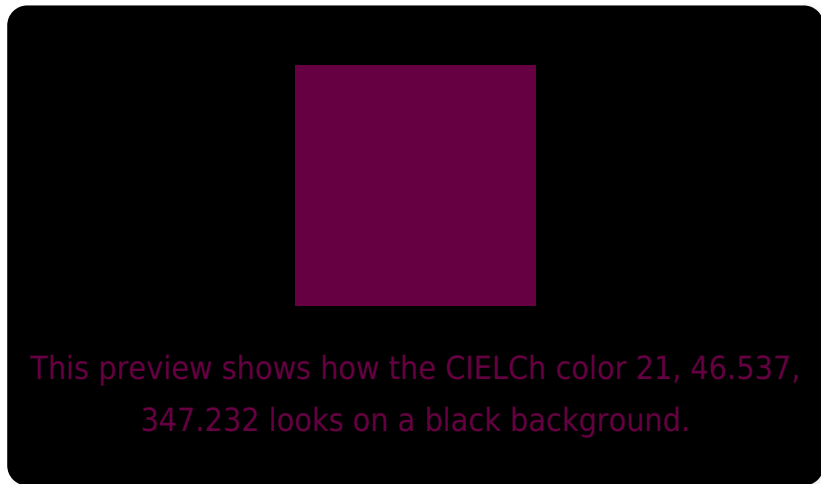
Large Text (above 18pt) WCAG AA ✓ Pass

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

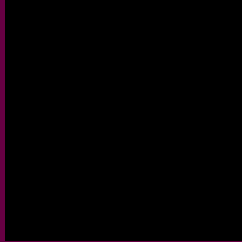
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 46.537, 347.232

Background



This preview shows how black text looks on a background with the CIELCh color 21, 46.537, 347.232.



This preview shows how white text looks on a background with the CIELCh color 21, 46.537, 347.232.

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, 46.537, 347.232

Protanopia

23, 28.188, 285.539

Deuteranopia

23, 6.189, 303.767



Tritanopia
22, 38.001, 29.332

Trichromacy



Original Color
21, 46.537, 347.232

Protanomaly
19, 35.597, 312.148

Deuteranomaly
20, 25.658, 334.948

Tritanomaly
21, 38.748, 11.997

Monochromacy



Original Color
21, 46.537, 347.232

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 22.945, 340.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 46.537, 347.232 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(103, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(103, 0, 67)  
}
```

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(103, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 0, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 46.537, 347.232 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(103, 0, 67) }
```

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

```
.border{ border-color:rgb(103, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(103, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(103, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 46.537, 347.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 0, 67) }
```

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

```
.background{ background-color: rgb(103, 0,  
67) }
```

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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