

Converting Colors

CIELCh(21, 41.864, 358.825)

Have a look what the booklet for
CIELCh(21, 41.864, 358.825)
contains.

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Color

CIELCh(21, 41.965, 358.825)

Conversions

Conversions Part 1

Format	Color
Hex	660735
RGB	102, 7, 53
RGB Percent	40%, 3%, 21%
CMY	0.5995, 0.9718, 0.7918
CMYK	0.00, 0.93, 0.48, 0.60
HSL	331°, 87%, 21%
HSV	331°, 93%, 40%
XYZ	6.2153, 3.2451, 3.6783
YIQ	40.6490, 41.8540, 34.4460

Conversions

Conversions Part 2

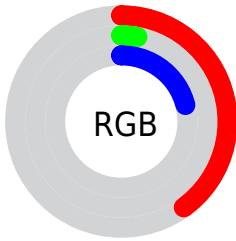
Format	Color
RYB	102, 7, 53
Decimal	6686517
CIELab	21.00, 41.96, -0.86
CIELCh	21, 41.965, 358.825
Yxy	3.2451, 0.4730, 0.2470
Android (android.graphics.Color)	4284876597 (0xFF660735)
YUV	40.6490, 6.0890, 53.8048
Hunter-Lab	18.0142, 30.0610, 0.5036

Details

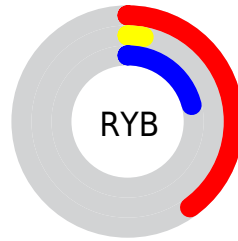
The CIELCh color **21, 41.965, 358.825** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 41.388, 152.641**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 41.800, 359.176**, and **7, 27.745, 16.277** is the 20% darker color. If you saturate the color by 10%, you get **20, 43.368, 0.908**, and if you desaturate by 10%, it is **22, 39.892, 355.887**.

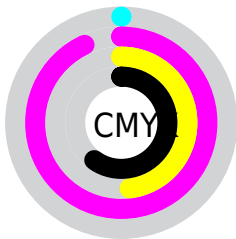
Distribution



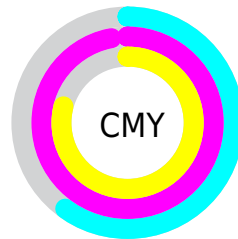
- Red (40%)
- Green (3%)
- Blue (21%)



- Red (40%)
- Yellow (3%)
- Blue (21%)



- Cyan (0%)
- Magenta (93%)
- Yellow (48%)
- Black (60%)





- Cyan (60%)
- Magenta (97%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 41.965, 358.825 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, 41.965, 358.825 by changing the saturation by 10% instead.

 21, 41.965,
358.825


 21, 41.965,
358.825

 100, 41.965,
358.825


 11, 41.965,
358.825


 41, 41.965,
358.825


 1, 41.965, 358.825

 51, 41.965,
358.825

 0, 41.965, 358.825

 61, 41.965,
358.825

 71, 41.965,
358.825

 81, 41.965,
358.825

 91, 41.965,

358.825

■ 21, 41.965,
358.825

■ 21, 41.965,
358.825

■ 20, 43.368, 0.908

■ 22, 39.892,
355.887

■ 24, 36.812,
353.505

■ 26, 32.817,
351.577

■ 28, 28.139,
349.987

■ 31, 23.020,
348.646

■ 33, 17.669,
347.490

■ 36, 12.240,
346.470

■ 39, 6.844, 345.550

■ 42, 1.550, 344.608

Harmonies

Complementary

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



21, 41.965, 358.825



38, 41.388, 152.641

Rectangle

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



21, 41.965, 358.825



21, 41.965, 48.825



21, 41.965, 178.825



21, 41.965, 228.825

Sweetspot

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



21, 41.963, 358.826



45, 18.565, 347.050



15, 60.095, 312.487



21, 12.731, 347.377



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, 41.963, 358.826



28, 52.131, 2.229



20, 47.972, 35.079



20, 2.946, 345.193



23, 47.046, 1.530



52, 81.278, 4.406

Inverse Universe

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



21, 41.963, 358.826



28, 52.131, 2.229



39, 25.046, 196.448



20, 2.946, 345.193



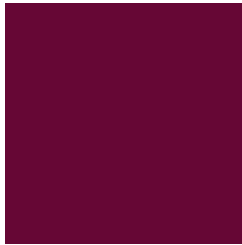
23, 47.046, 1.530



52, 81.278, 4.406

Previews

White Background



This preview shows how the CIE LCh color 21, 41.965, 358.825 looks on a white background.

Color Contrast Check

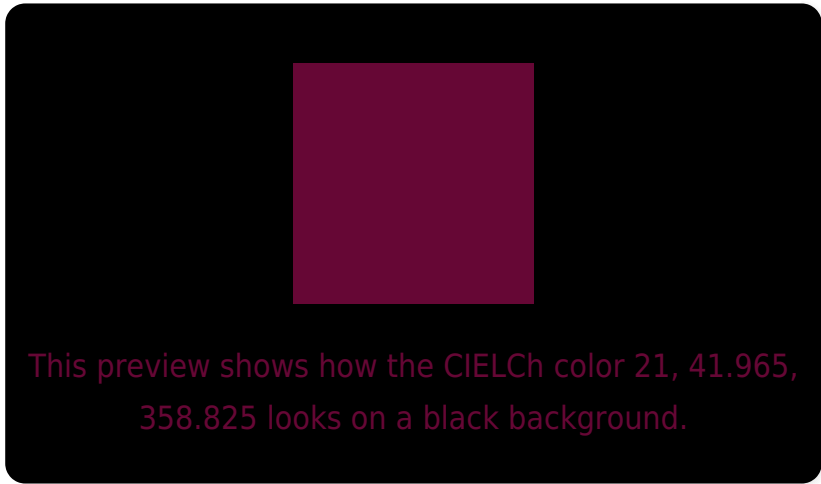
Large Text (above 18pt) WCAG AA ✓ Pass

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

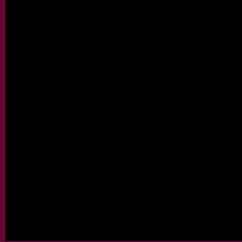
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 41.965, 358.825

Background



This preview shows how black text looks on a background with the CIELCh color 21, 41.965, 358.825.



This preview shows how white text looks on a background with the CIELCh color 21, 41.965, 358.825.

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, 41.965, 358.825

Protanopia

22, 15.528, 283.718

Deuteranopia

22, 4.345, 47.335



Tritanopia
22, 40.931, 31.561

Trichromacy



Original Color
21, 41.965, 358.825

Protanomaly
19, 24.798, 324.801

Deuteranomaly
20, 20.335, 357.797

Tritanomaly
21, 39.645, 19.757

Monochromacy



Original Color
21, 41.965, 358.825

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 19.138, 350.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 41.965, 358.825 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(102, 7, 53)` looks like.

```
.text, #text, p{  
    color:rgb(102, 7, 53)  
}
```

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(102, 7, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 7, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 41.965, 358.825 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(102, 7, 53) }
```

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

```
.border{ border-color:rgb(102, 7, 53) }
```

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

Here you see how a box with a 4 pixel rgb(102, 7, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 7, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 7, 53);  
box-shadow:4px 4px 4px 4px rgb(102, 7, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 41.965, 358.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 7, 53) }
```

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

```
.background{ background-color: rgb(102, 7,  
53) }
```

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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