

Converting Colors

CIELCh(21, 44.704, 352.419)

Have a look what the booklet for
CIELCh(21, 44.704, 352.419)
contains.

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Color

CIELCh(21, 44.739, 352.613)

Conversions

Conversions Part 1

Format	Color
Hex	67013C
RGB	103, 1, 60
RGB Percent	40%, 0%, 24%
CMY	0.5955, 0.9953, 0.7642
CMYK	0.00, 0.99, 0.42, 0.60
HSL	325°, 98%, 20%
HSV	325°, 99%, 40%
XYZ	6.4411, 3.2451, 4.5780
YIQ	38.2240, 41.8530, 39.9730

Conversions

Conversions Part 2

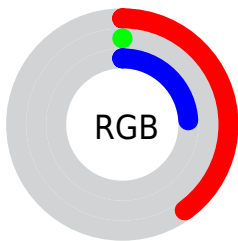
Format	Color
RYB	103, 1, 60
Decimal	6750524
CIELab	21.00, 44.37, -5.75
CIElCh	21, 44.739, 352.613
Yxy	3.2451, 0.4516, 0.2275
Android (android.graphics.Color)	4284940604 (0xFF67013C)
YUV	38.2240, 10.7356, 56.8086
Hunter-Lab	18.0142, 32.2994, -2.4574

Details

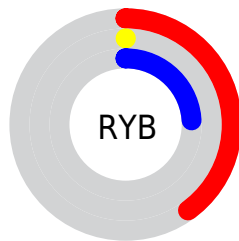
The CIELCh color **21, 44.739, 352.613** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **38, 47.628, 147.077**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 44.938, 352.660**, and **7, 27.595, 6.788** is the 20% darker color. If you saturate the color by 10%, you get **21, 44.950, 352.872**, and if you desaturate by 10%, it is **22, 43.050, 350.307**.

Distribution



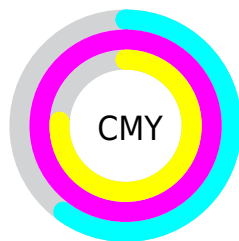
- Red (40%)
- Green (0%)
- Blue (24%)



- Red (40%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (99%)
- Yellow (42%)
- Black (60%)




- Cyan (60%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 44.739, 352.613 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, 44.739, 352.613 by changing the saturation by 10% instead.

 21, 44.739,
352.613

 21, 44.739,
352.613

 100, 44.739,
352.613

 11, 44.739,
352.613

 41, 44.739,
352.613


 1, 44.739, 352.613

 51, 44.739,
352.613

 0, 44.739, 352.613

 61, 44.739,
352.613

 71, 44.739,
352.613

 81, 44.739,
352.613

 91, 44.739,

352.613

■ 21, 44.739,
352.613

■ 21, 44.739,
352.613

■ 21, 44.950,
352.872

■ 22, 43.050,
350.307

■ 23, 40.692,
348.236

■ 25, 37.199,
346.544

■ 27, 32.785,
345.133

■ 29, 27.708,
343.926

■ 32, 22.214,
342.871

■ 35, 16.505,
341.929

■ 38, 10.730,
341.072

■ 41, 4.992, 340.269

Harmonies

Complementary

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



21, 44.739, 352.613



38, 47.628, 147.077

Rectangle

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



21, 44.739, 352.613



21, 44.739, 42.613



21, 44.739, 172.613



21, 44.739, 222.613

Sweetspot

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



21, 44.737, 352.614



45, 21.446, 342.113



13, 64.279, 310.723



21, 14.747, 342.400



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



21, 44.737, 352.614



29, 54.259, 353.884



20, 48.829, 32.615



20, 3.142, 340.275



24, 48.375, 353.295



53, 83.071, 355.460

Inverse Universe

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



21, 44.737, 352.614



29, 54.259, 353.884



39, 27.544, 185.123



20, 3.142, 340.275



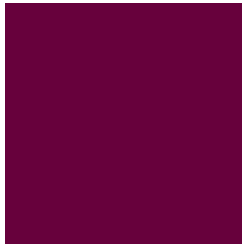
24, 48.375, 353.295



53, 83.071, 355.460

Previews

White Background



This preview shows how the CIELCh color 21, 44.739, 352.613 looks on a white background.

Color Contrast Check

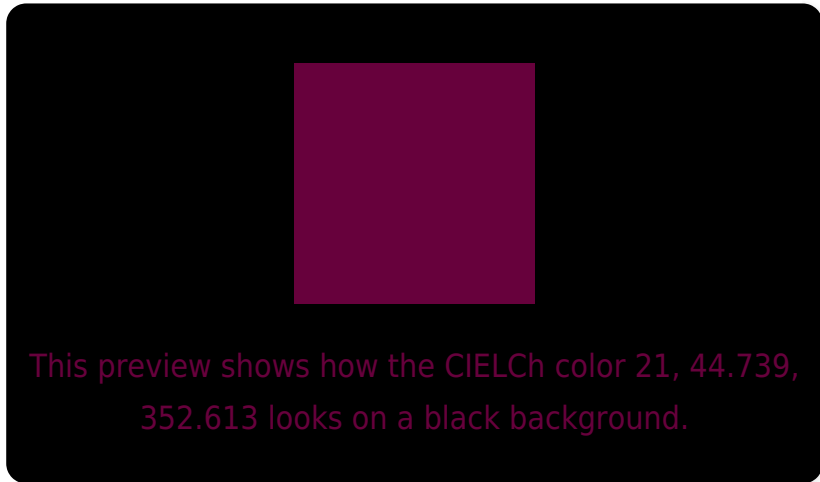
Large Text (above 18pt) WCAG AA ✓ Pass

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

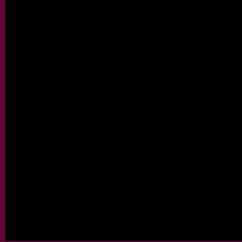
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 44.739, 352.613

Background



This preview shows how black text looks on a background with the CIELCh color 21, 44.739, 352.613.



This preview shows how white text looks on a background with the CIELCh color 21, 44.739, 352.613.

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, 44.739, 352.613

Protanopia

23, 22.190, 285.160

Deuteranopia

23, 3.425, 344.330



Tritanopia
22, 39.840, 30.933

Trichromacy



Original Color
21, 44.739, 352.613

Protanomaly
19, 31.083, 317.755

Deuteranomaly
20, 23.474, 345.281

Tritanomaly
21, 39.752, 15.917

Monochromacy



Original Color
21, 44.739, 352.613

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 21.832, 345.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 44.739, 352.613 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, 1, 60)` looks like.

```
.text, #text, p{  
    color:rgb(103, 1, 60)  
}
```

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, 1, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 1, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 44.739, 352.613 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, 1, 60) }
```

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

```
.border{ border-color:rgb(103, 1, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 1, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 1, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 1, 60);  
box-shadow:4px 4px 4px 4px rgb(103, 1, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 44.739, 352.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 1, 60) }
```

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

```
.background{ background-color: rgb(103, 1,  
60) }
```

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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