

Converting Colors

CIELCh(13, 22.307, 343.755)

Have a look what the booklet for
CIELCh(13, 22.307, 343.755)
contains.

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Color

CIELCh(13, 22.647, 342.737)

Conversions

Conversions Part 1

Format	Color
Hex	39142B
RGB	57, 20, 43
RGB Percent	22%, 8%, 17%
CMY	0.7755, 0.9206, 0.8304
CMYK	0.00, 0.65, 0.24, 0.78
HSL	323°, 48%, 15%
HSV	323°, 65%, 22%
XYZ	2.3970, 1.5625, 2.4837
YIQ	33.6850, 14.6690, 14.9970

Conversions

Conversions Part 2

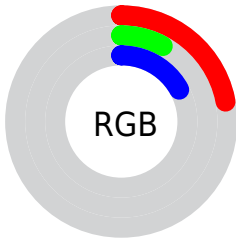
Format	Color
R_{YB}	57, 20, 43
Decimal	3740715
CIE Lab	13.00, 21.63, -6.72
CIE LCh	13, 22.647, 342.737
Yxy	1.5625, 0.3720, 0.2425
Android (android.graphics.Color)	4281930795 (0xFF39142B)
YUV	33.6850, 4.5923, 20.4473
Hunter-Lab	12.5000, 12.3542, -3.0306

Details

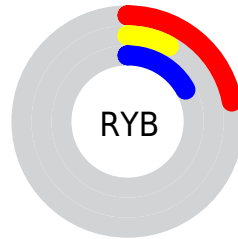
The CIELCh color **13, 22.647, 342.737** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 22.236, 151.952**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 22.390, 343.771**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 25.411, 343.876**, and if you desaturate by 10%, it is **14, 19.492, 341.737**.

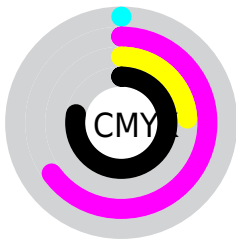
Distribution



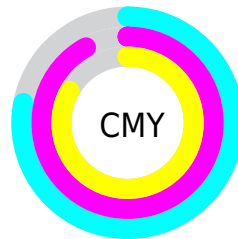
- Red (22%)
- Green (8%)
- Blue (17%)



- Red (22%)
- Yellow (8%)
- Blue (17%)



- Cyan (0%)
- Magenta (65%)
- Yellow (24%)
- Black (78%)





- Cyan (78%)
- Magenta (92%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 22.647, 342.737 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 13, 22.647, 342.737 by changing the saturation by 10% instead.

 13, 22.647,
342.737


 13, 22.647,
342.737


 100, 22.647,
342.737


 3, 22.647, 342.737


 33, 22.647,
342.737

 0, 22.647, 342.737

 43, 22.647,
342.737


 53, 22.647,
342.737


 63, 22.647,
342.737


 73, 22.647,
342.737


 83, 22.647,


342.737


 93, 22.647,
342.737


 13, 22.647,
342.737


 13, 22.647,
342.737


 12, 25.411,
343.876

 14, 19.492,
341.737

 11, 27.672,
345.187

 16, 16.079,
340.841

 10, 29.981,
346.400

 18, 12.515,
340.026

 9, 31.369, 346.952

 19, 8.884, 339.272

 21, 5.250, 338.566

 23, 1.654, 337.855

■ 25, 1.877, 157.419

■ 27, 5.326, 156.795

■ 29, 8.685, 156.245

Harmonies

Complementary

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



13, 22.647, 342.737



21, 22.236, 151.952

Rectangle

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



13, 22.647, 342.737



13, 22.647, 32.737



13, 22.647, 162.737



13, 22.647, 212.737

Sweetspot

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



13, 22.646, 342.738



27, 8.461, 338.931



10, 27.446, 307.973



12, 5.882, 339.007



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



13, 22.646, 342.738



16, 31.993, 344.775



12, 19.746, 16.581



9, 1.942, 338.127



18, 42.394, 349.019



48, 78.598, 351.452

Inverse Universe

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



13, 22.646, 342.738



16, 31.993, 344.775



21, 14.658, 183.547



9, 1.942, 338.127



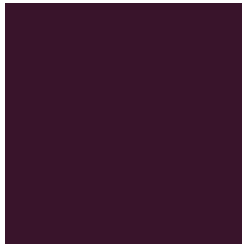
18, 42.394, 349.019



48, 78.598, 351.452

Previews

White Background



This preview shows how the CIELCh color 13, 22.647, 342.737 looks on a white background.

Color Contrast Check

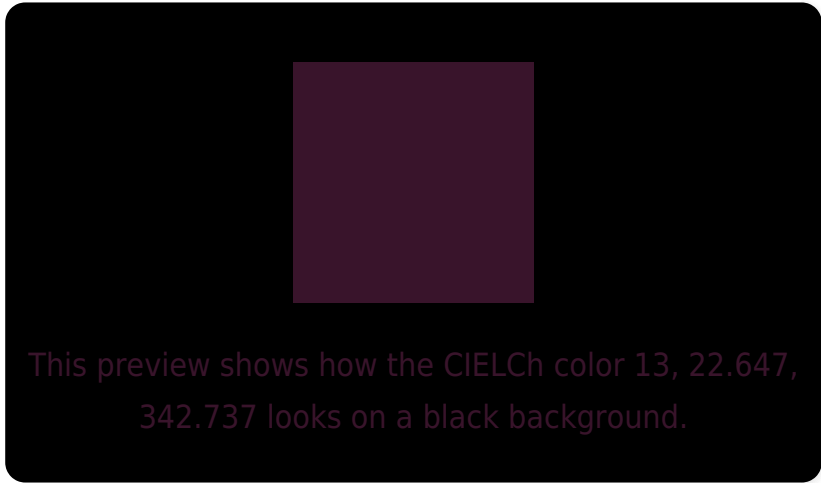
Large Text (above 18pt) WCAG AA ✓ Pass

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

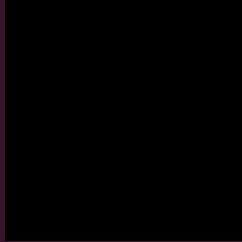
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 22.647, 342.737

Background



This preview shows how black text looks on a background with the CIELCh color 13, 22.647, 342.737.



This preview shows how white text looks on a background with the CIELCh color 13, 22.647, 342.737.

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

13, 22.647, 342.737

Protanopia

14, 14.389, 284.943

Deuteranopia

14, 5.043, 296.892



Tritanopia
13, 16.707, 22.239

Trichromacy



Original Color
13, 22.647, 342.737

Protanomaly
13, 15.759, 310.021

Deuteranomaly
13, 11.407, 327.908

Tritanomaly
13, 17.637, 4.763

Monochromacy



Original Color
13, 22.647, 342.737

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 8.566, 339.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 22.647, 342.737 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(57, 20, 43)` looks like.

```
.text, #text, p{  
    color:rgb(57, 20, 43)  
}
```

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(57, 20, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 20, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 22.647, 342.737 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(57, 20, 43) }
```

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

```
.border{ border-color:rgb(57, 20, 43) }
```

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

Here you see how a box with a 4 pixel rgb(57, 20, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 20, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 20, 43);  
box-shadow:4px 4px 4px 4px rgb(57, 20, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 22.647, 342.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 20, 43) }
```

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

```
.background{ background-color: rgb(57, 20,  
43) }
```

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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