

Converting Colors

CIELCh(13, 42.464, 320.118)

Have a look what the booklet for
CIELCh(13, 42.464, 320.118)
contains.

CIELCh(13, 42.553, 320.033)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(13, 42.553, 320.033)

Conversions

Conversions Part 1

Format	Color
Hex	390A48
RGB	57, 10, 72
RGB Percent	22%, 4%, 28%
CMY	0.7760, 0.9603, 0.7172
CMYK	0.21, 0.86, 0.00, 0.72
HSL	285°, 75%, 16%
HSV	285°, 86%, 28%
XYZ	2.9772, 1.5625, 6.2947
YIQ	31.1210, 8.1100, 29.2460

Conversions

Conversions Part 2

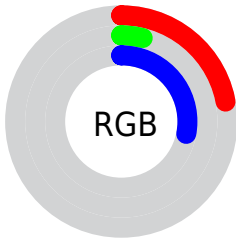
Format	Color
RYB	57, 10, 72
Decimal	3738184
CIELab	13.00, 32.61, -27.33
CIELCh	13, 42.553, 320.033
Yxy	1.5625, 0.2748, 0.1442
Android (android.graphics.Color)	4281928264 (0xFF390A48)
YUV	31.1210, 20.1533, 22.6959
Hunter-Lab	12.5000, 20.6393, -21.1072

Details

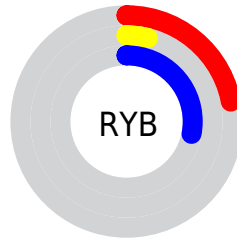
The CIELCh color **13, 42.553, 320.033** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 41.458, 133.582**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 42.552, 320.227**, and **1, 15.345, 290.292** is the 20% darker color. If you saturate the color by 10%, you get **12, 45.959, 320.033**, and if you desaturate by 10%, it is **14, 38.921, 320.024**.

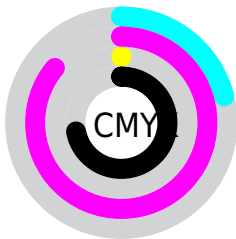
Distribution



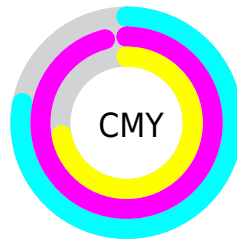
- Red (22%)
- Green (4%)
- Blue (28%)



- Red (22%)
- Yellow (4%)
- Blue (28%)



- Cyan (21%)
- Magenta (86%)
- Yellow (0%)
- Black (72%)





- Cyan (78%)
- Magenta (96%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 42.553, 320.033 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, 42.553, 320.033 by changing the saturation by 10% instead.

 13, 42.553,
320.033


 13, 42.553,
320.033


 100, 42.553,
320.033


 3, 42.553, 320.033


 33, 42.553,
320.033

 0, 42.553, 320.033

 43, 42.553,
320.033


 53, 42.553,
320.033


 63, 42.553,
320.033


 73, 42.553,
320.033


 83, 42.553,

320.033


 93, 42.553,
320.033


 13, 42.553,
320.033


 13, 42.553,
320.033


 12, 45.959,
320.033


 14, 38.921,
320.024

 11, 47.481,
320.080

 16, 34.576,
319.873

 18, 29.727,
319.620

 20, 24.559,
319.296

 22, 19.221,
318.929

■ 25, 13.822,
318.540

■ 27, 8.439, 318.143

■ 29, 3.122, 317.737

■ 32, 2.097, 137.438

Harmonies

Complementary

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



13, 42.553, 320.033



26, 41.458, 133.582

Rectangle

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



13, 42.553, 320.033



13, 42.553, 10.033



13, 42.553, 140.033



13, 42.553, 190.033

Sweetspot

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



13, 42.552, 320.033



32, 17.317, 318.583



11, 33.696, 293.622



15, 11.847, 318.649



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 42.552, 320.033



16, 57.135, 319.781



15, 35.898, 338.454



13, 2.906, 317.847



18, 59.290, 319.729



45, 108.601, 319.152

Inverse Universe

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



14, 30.635, 15.135



18, 42.578, 22.011



26, 37.545, 143.681



13, 1.896, 0.744



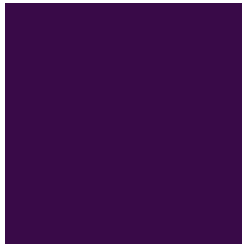
19, 44.280, 22.433



48, 83.383, 26.963

Previews

White Background



This preview shows how the CIE LCh color 13, 42.553, 320.033 looks on a white background.

Color Contrast Check

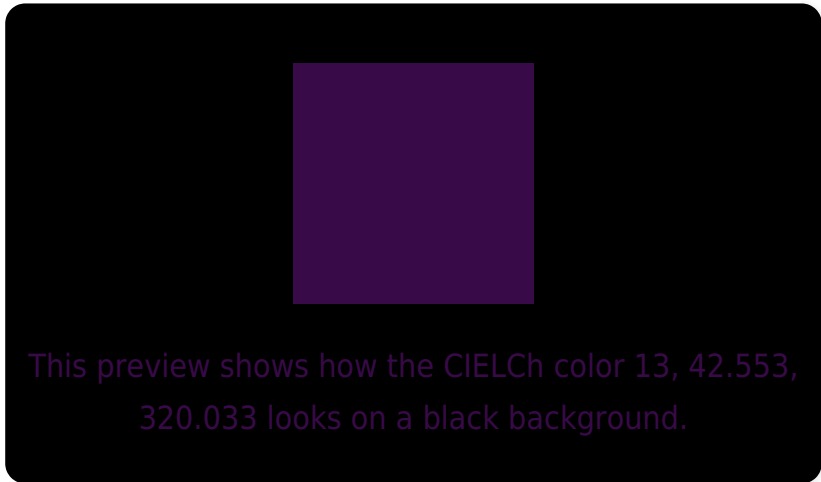
Large Text (above 18pt) WCAG AA ✓ Pass

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

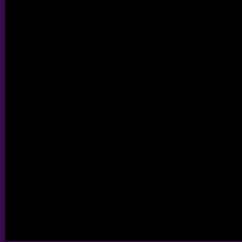
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 42.553, 320.033

Background



This preview shows how black text looks on a background with the CIELCh color 13, 42.553, 320.033.



This preview shows how white text looks on a background with the CIELCh color 13, 42.553, 320.033.

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, 42.553, 320.033

Deuteranopia

14, 20.715, 268.341

Tritanopia

14, 11.563, 12.369

Trichromacy

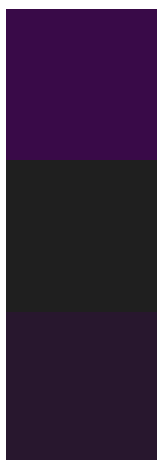


Original Color
13, 42.553, 320.033

Deuteranomaly
12, 28.899, 294.782

Tritanomaly
13, 21.962, 333.557

Monochromacy



Original Color
13, 42.553, 320.033

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 18.264, 318.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 42.553, 320.033 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, 10, 72)` looks like.

```
.text, #text, p{  
    color:rgb(57, 10, 72)  
}
```

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, 10, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 10, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 42.553, 320.033 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, 10, 72) }
```

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

```
.border{ border-color:rgb(57, 10, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 10, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 10, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 10, 72);  
box-shadow:4px 4px 4px 4px rgb(57, 10, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 42.553, 320.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 10, 72) }
```

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

```
.background{ background-color: rgb(57, 10,  
72) }
```

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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