

Converting Colors

CIELCh(13, 60.389, 313.851)

Have a look what the booklet for
CIELCh(13, 60.389, 313.851)
contains.

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Color

CIELCh(13, 60.119, 313.600)

Conversions

Conversions Part 1

Format	Color
Hex	340060
RGB	52, 0, 96
RGB Percent	20%, 0%, 38%
CMY	0.7968, 1.0000, 0.6243
CMYK	0.46, 1.00, 0.00, 0.62
HSL	272°, 100%, 19%
HSV	272°, 100%, 38%
XYZ	3.5071, 1.5625, 11.1382
YIQ	26.4920, 0.1760, 40.8800

Conversions

Conversions Part 2

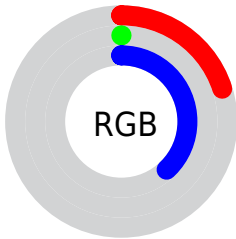
Format	Color
R_{YB}	52, 0, 96
Decimal	3407968
CIE _{Lab}	13.00, 41.46, -43.54
CIE _{LCh}	13, 60.119, 313.600
Yxy	1.5625, 0.2164, 0.0964
Android (android.graphics.Color)	4281598048 (0xFF340060)
YUV	26.4920, 34.2674, 22.3705
Hunter-Lab	12.5000, 28.2068, -44.0805

Details

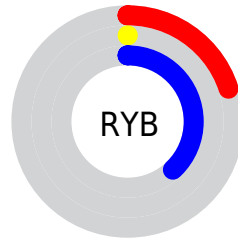
The CIELCh color **13, 60.119, 313.600** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **36, 53.407, 128.289**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 60.491, 313.420**, and **2, 31.275, 295.665** is the 20% darker color. If you saturate the color by 10%, you get **13, 60.048, 313.579**, and if you desaturate by 10%, it is **15, 55.680, 313.578**.

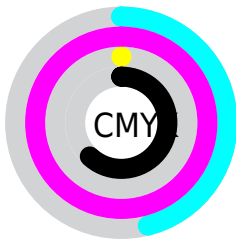
Distribution



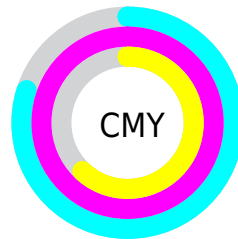
- Red (20%)
- Green (0%)
- Blue (38%)



- Red (20%)
- Yellow (0%)
- Blue (38%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (62%)





- Cyan (80%)
- Magenta (100%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 13, 60.119, 313.600 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, 60.119, 313.600 by changing the saturation by 10% instead.

 13, 60.119,
313.600


 13, 60.119,
313.600


 100, 60.119,
313.600


 3, 60.119, 313.600


 33, 60.119,
313.600

 0, 60.119, 313.600

 43, 60.119,
313.600


 53, 60.119,
313.600


 63, 60.119,
313.600


 73, 60.119,
313.600


 83, 60.119,


313.600


 93, 60.119,
313.600


 13, 60.119,
313.600


 13, 60.119,
313.600


 13, 60.048,
313.579

 15, 55.680,
313.578

 17, 51.133,
313.631

 19, 45.571,
313.451

 22, 39.360,
313.117

 25, 32.800,
312.696

■ 28, 26.102,
312.235

■ 31, 19.406,
311.764

■ 34, 12.796,
311.305

■ 37, 6.321, 310.867

Harmonies

Complementary

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



13, 60.119, 313.600



36, 53.407, 128.289

Rectangle

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



13, 60.119, 313.600



13, 60.119, 3.600



13, 60.119, 133.600



13, 60.119, 183.600

Sweetspot

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



13, 60.048, 313.579



40, 24.167, 311.807



19, 35.311, 284.124



19, 16.663, 311.944



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



13, 60.048, 313.579



19, 72.689, 313.239



21, 55.076, 329.515



18, 3.573, 310.819



16, 67.231, 313.367



40, 118.227, 312.678

Inverse Universe

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



19, 41.345, 2.710



26, 49.823, 4.202



35, 57.683, 136.594



18, 2.776, 346.560



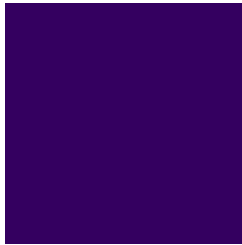
23, 46.157, 3.633



51, 80.560, 6.769

Previews

White Background



This preview shows how the CIE LCh color 13, 60.119, 313.600 looks on a white background.

Color Contrast Check

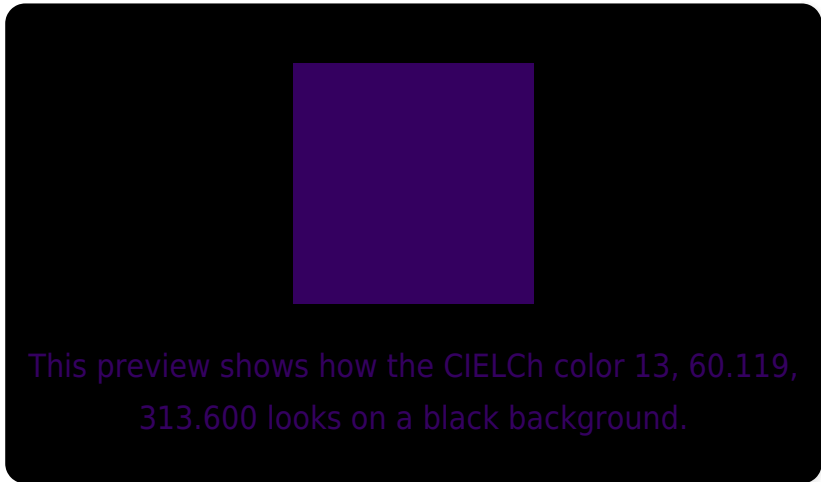
Large Text (above 18pt) WCAG AA ✓ Pass

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

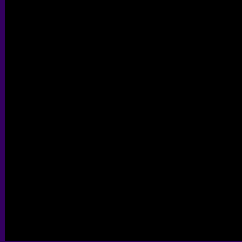
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 60.119, 313.600

Background



This preview shows how black text looks on a background with the CIELCh color 13, 60.119, 313.600.



This preview shows how white text looks on a background with the CIELCh color 13, 60.119, 313.600.

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

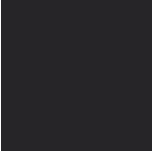
13, 60.119, 313.600

Protanopia

15, 28.727, 281.266

Deuteranopia

15, 20.760, 266.912



Tritanopia
15, 2.185, 303.364

Trichromacy



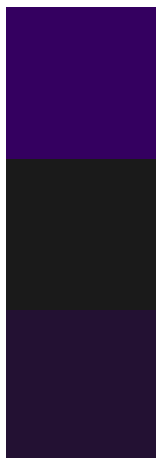
Original Color
13, 60.119, 313.600

Protanomaly
12, 42.599, 299.509

Deuteranomaly
12, 37.264, 297.812

Tritanomaly
13, 26.667, 312.550

Monochromacy



Original Color
13, 60.119, 313.600

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 25.836, 312.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 60.119, 313.600 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(52, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(52, 0, 96)  
}
```

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(52, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 0, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 60.119, 313.600 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(52, 0, 96) }
```

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

```
.border{ border-color:rgb(52, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 0, 96); -webkit-box-shadow:4px  
4px 4px 4px rgb(52, 0, 96); box-shadow:4px  
4px 4px 4px rgb(52, 0, 96) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 60.119, 313.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 0, 96) }
```

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

```
.background{ background-color: rgb(52, 0,  
96) }
```

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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