

Converting Colors

CIELCh(13, 56.392, 303.027)

Have a look what the booklet for
CIELCh(13, 56.392, 303.027)
contains.

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Color

CIELCh(13, 56.467, 303.109)

Conversions

Conversions Part 1

Format	Color
Hex	131365
RGB	19, 19, 101
RGB Percent	7%, 7%, 40%
CMY	0.9236, 0.9245, 0.6028
CMYK	0.81, 0.81, 0.00, 0.60
HSL	240°, 68%, 24%
HSV	240°, 81%, 40%
XYZ	2.8781, 1.5625, 12.5369
YIQ	28.3480, -26.3220, 25.5020

Conversions

Conversions Part 2

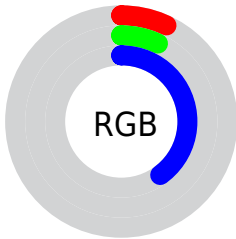
Format	Color
R_{YB}	19, 19, 101
Decimal	1250149
CIE _{Lab}	13.00, 30.84, -47.30
CIE _{LCh}	13, 56.467, 303.109
Yxy	1.5625, 0.1695, 0.0920
Android (android.graphics.Color)	4279440229 (0xFF131365)
YUV	28.3480, 35.8174, -8.1982
Hunter-Lab	12.5000, 19.2237, -50.7150

Details

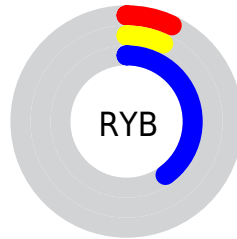
The CIELCh color **13, 56.467, 303.109** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 44.002, 103.738**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 56.353, 303.126**, and **3, 33.439, 296.104** is the 20% darker color. If you saturate the color by 10%, you get **11, 62.505, 304.800**, and if you desaturate by 10%, it is **16, 49.319, 301.107**.

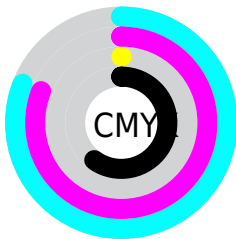
Distribution



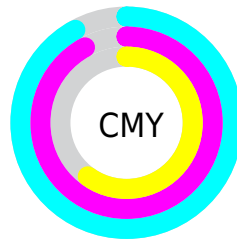
- Red (7%)
- Green (7%)
- Blue (40%)



- Red (7%)
- Yellow (7%)
- Blue (40%)



- Cyan (81%)
- Magenta (81%)
- Yellow (0%)
- Black (60%)



- Cyan (92%)
- Magenta (92%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 56.467, 303.109 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, 56.467, 303.109 by changing the saturation by 10% instead.

■ 13, 56.467,
303.109

■ 13, 56.467,
303.109

■ 100, 56.467,
303.109

■ 3, 56.467, 303.109

■ 33, 56.467,
303.109

■ 0, 56.467, 303.109

■ 43, 56.467,
303.109


■ 53, 56.467,
303.109


■ 63, 56.467,
303.109


■ 73, 56.467,
303.109


■ 83, 56.467,


303.109

 93, 56.467,
303.109


 13, 56.467,
303.109


 13, 56.467,
303.109


 11, 62.505,
304.800


 16, 49.319,
301.107

 9, 67.931, 306.304

 20, 41.798,
299.048

 23, 34.314,
297.102

 27, 27.043,
295.350

 31, 20.041,
293.816

■ 35, 13.312,
292.492

■ 39, 6.844, 291.358

■ 43, 0.619, 290.442

■ 46, 5.381, 109.538

Harmonies

Complementary

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



13, 56.467, 303.109



42, 44.002, 103.738

Rectangle

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



13, 56.467, 303.109



13, 56.467, 353.109



13, 56.467, 123.109



13, 56.467, 173.109

Sweetspot

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



13, 56.468, 303.110



44, 19.116, 292.959



39, 23.784, 196.574



20, 13.092, 293.295



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



13, 56.468, 303.110



14, 80.578, 305.902



17, 54.157, 312.550



19, 3.498, 291.145



11, 74.205, 306.302



30, 128.705, 306.293

Inverse Universe

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



24, 53.335, 328.017



31, 70.285, 328.307



39, 48.290, 126.372



20, 4.221, 324.951



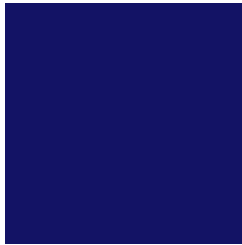
26, 63.965, 328.341



57, 110.913, 328.347

Previews

White Background



This preview shows how the CIELCh color 13, 56.467, 303.109 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



This preview shows how the CIE LCh color 13, 56.467, 303.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

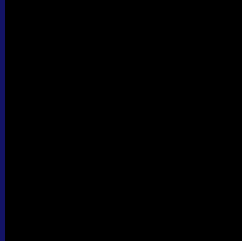
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 56.467, 303.109

Background



This preview shows how black text looks on a background with the CIELCh color 13, 56.467, 303.109.



This preview shows how white text looks on a background with the CIELCh color 13, 56.467, 303.109.

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, 56.467, 303.109

Protanopia

13, 26.948, 280.765

Deuteranopia

13, 18.987, 264.653



Tritanopia
13, 13.350, 202.769

Trichromacy



Original Color
13, 56.467, 303.109

Protanomaly
13, 37.766, 293.349

Deuteranomaly
12, 32.338, 289.897

Tritanomaly
12, 22.853, 279.806

Monochromacy



Original Color
13, 56.467, 303.109

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 22.010, 297.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 56.467, 303.109 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(19, 19, 101)` looks like.

```
.text, #text, p{  
    color:rgb(19, 19, 101)  
}
```

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(19, 19, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 19, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 56.467, 303.109 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(19, 19, 101) }
```

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

```
.border{ border-color:rgb(19, 19, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 19, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 19, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 19, 101);  
box-shadow:4px 4px 4px 4px rgb(19, 19,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 56.467, 303.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 19, 101) }
```

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

```
.background{ background-color: rgb(19, 19,  
101) }
```

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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