

Converting Colors

CIELCh(13, 66.375, 303.577)

Have a look what the booklet for
CIELCh(13, 66.375, 303.577)
contains.

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Color

CIELCh(13, 66.097, 303.533)

Conversions

Conversions Part 1

Format	Color
Hex	030F71
RGB	3, 15, 113
RGB Percent	1%, 6%, 44%
CMY	0.9867, 0.9407, 0.5563
CMYK	0.97, 0.87, 0.00, 0.56
HSL	234°, 94%, 23%
HSV	234°, 97%, 44%
XYZ	3.2037, 1.5625, 15.7991
YIQ	22.5840, -38.6100, 27.9340

Conversions

Conversions Part 2

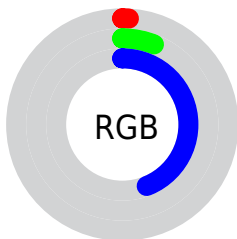
Format	Color
R_{YB}	3, 14, 113
Decimal	200561
CIE _{Lab}	13.00, 36.51, -55.10
CIE _{LCh}	13, 66.097, 303.533
Yxy	1.5625, 0.1558, 0.0760
Android (android.graphics.Color)	4278390641 (0xFF030F71)
YUV	22.5840, 44.5751, -17.1752
Hunter-Lab	12.5000, 23.8738, -66.1884

Details

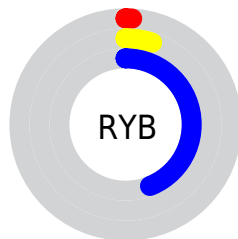
The CIELCh color **13, 66.097, 303.533** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **43, 48.758, 96.052**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 65.801, 303.461**, and **4, 43.332, 301.323** is the 20% darker color. If you saturate the color by 10%, you get **12, 67.754, 304.002**, and if you desaturate by 10%, it is **15, 59.734, 301.447**.

Distribution



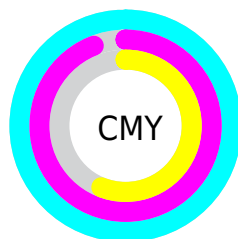
- Red (1%)
- Green (6%)
- Blue (44%)



- Red (1%)
- Yellow (5%)
- Blue (44%)



- Cyan (97%)
- Magenta (87%)
- Yellow (0%)
- Black (56%)



- Cyan (99%)
- Magenta (94%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 66.097, 303.533 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, 66.097, 303.533 by changing the saturation by 10% instead.

■ 13, 66.097,
303.533

■ 13, 66.097,
303.533

■ 100, 66.097,
303.533

■ 3, 66.097, 303.533

■ 33, 66.097,
303.533

■ 0, 66.097, 303.533

■ 43, 66.097,
303.533


■ 53, 66.097,
303.533


■ 63, 66.097,
303.533


■ 73, 66.097,
303.533


■ 83, 66.097,


303.533


 93, 66.097,
303.533


 13, 66.097,
303.533


 13, 66.097,
303.533


 12, 67.754,
304.002

 15, 59.734,
301.447

 19, 52.519,
299.011

 22, 45.044,
296.549

 26, 37.647,
294.232

 29, 30.469,
292.145

■ 33, 23.548,
290.313

■ 37, 16.881,
288.728

■ 41, 10.451,
287.367

■ 45, 4.240, 286.204

Harmonies

Complementary

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



13, 66.097, 303.533



43, 48.758, 96.052

Rectangle

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



13, 66.097, 303.533



13, 66.097, 353.533



13, 66.097, 123.533



13, 66.097, 173.533

Sweetspot

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



13, 66.098, 303.534



47, 22.682, 289.142



42, 30.280, 181.125



22, 15.555, 289.659



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



13, 66.098, 303.534



18, 83.687, 304.519



15, 68.255, 309.940



21, 3.387, 286.419



13, 70.906, 304.129



33, 125.359, 305.116

Inverse Universe

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



22, 51.434, 32.086



30, 65.158, 34.628



43, 56.393, 122.810



22, 2.672, 11.218



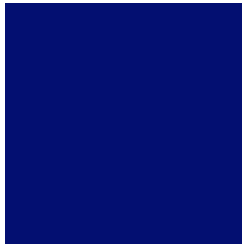
24, 55.172, 33.335



52, 97.435, 36.306

Previews

White Background



This preview shows how the CIE LCh color 13, 66.097, 303.533 looks on a white background.

Color Contrast Check

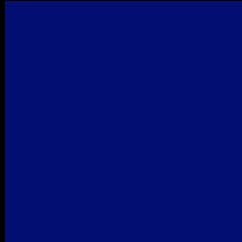
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 13, 66.097, 303.533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

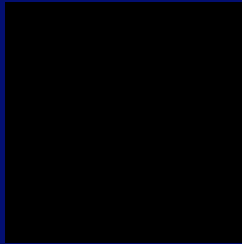
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 66.097, 303.533

Background



This preview shows how black text looks on a background with the CIELCh color 13, 66.097, 303.533.



This preview shows how white text looks on a background with the CIELCh color 13, 66.097, 303.533.

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, 66.097, 303.533

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 19.579, 265.457



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
13, 66.097, 303.533

Protanomaly
13, 42.574, 294.748

Deuteranomaly
12, 37.226, 291.819

Tritanomaly
12, 27.077, 282.948

Monochromacy



Original Color
13, 66.097, 303.533

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 26.871, 296.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 66.097, 303.533 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(3, 15, 113)` looks like.

```
.text, #text, p{  
    color:rgb(3, 15, 113)  
}
```

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(3, 15, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 15, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 66.097, 303.533 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(3, 15, 113) }
```

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

```
.border{ border-color:rgb(3, 15, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 15, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 15, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 15, 113);  
box-shadow:4px 4px 4px 4px rgb(3, 15, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 66.097, 303.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 15, 113) }
```

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

```
.background{ background-color: rgb(3, 15,  
113) }
```

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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