

Converting Colors

CIELCh(9, 70.663, 297.243)

Have a look what the booklet for
CIELCh(9, 70.663, 297.243) contains.

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Color

CIELCh(13, 66.745, 303.224)

Conversions

Conversions Part 1

Format	Color
Hex	000F72
RGB	0, 15, 114
RGB Percent	0%, 6%, 45%
CMY	1.0000, 0.9397, 0.5519
CMYK	1.00, 0.87, 0.00, 0.55
HSL	232°, 100%, 22%
HSV	232°, 100%, 45%
XYZ	3.2071, 1.5625, 16.1344
YIQ	21.8010, -40.7190, 27.6090

Conversions

Conversions Part 2

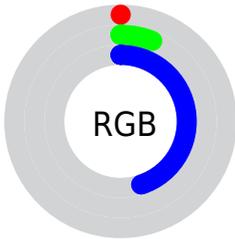
Format	Color
RYB	0, 13, 114
Decimal	3954
CIELab	13.00, 36.57, -55.83
CIELCh	13, 66.745, 303.224
Yxy	1.5625, 0.1534, 0.0747
Android (android.graphics.Color)	4278194034 (0xFF000F72)
YUV	21.8010, 45.4541, -19.1195
Hunter-Lab	12.5000, 23.9226, -67.7786

Details

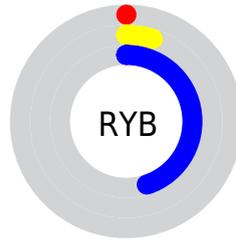
The CIELCh color **13, 66.745, 303.224** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 49.057, 93.760**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 66.389, 303.257**, and **4, 43.332, 301.323** is the 20% darker color. If you saturate the color by 10%, you get **13, 66.684, 303.330**, and if you desaturate by 10%, it is **15, 60.444, 301.257**.

Distribution



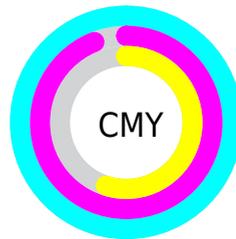
- Red (0%)
- Green (6%)
- Blue (45%)



- Red (0%)
- Yellow (5%)
- Blue (45%)



- Cyan (100%)
- Magenta (87%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (94%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 66.745, 303.224 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, 66.745, 303.224 by changing the saturation by 10% instead.

■ 13, 66.745,
303.224

■ 13, 66.745,
303.224

■ 100, 66.745,
303.224

■ 3, 66.745, 303.224

■ 33, 66.745,
303.224

■ 0, 66.745, 303.224

■ 43, 66.745,
303.224

■ 53, 66.745,
303.224

■ 63, 66.745,
303.224

■ 73, 66.745,
303.224

■ 83, 66.745,

303.224

 93, 66.745,
303.224

 13, 66.745,
303.224

 13, 66.745,
303.224

 13, 66.684,
303.330

 15, 60.444,
301.257

 18, 53.405,
298.725

 22, 46.086,
296.148

 25, 38.828,
293.705

 29, 31.776,
291.493

■ 33, 24.969,
289.545

■ 37, 18.405,
287.855

■ 41, 12.068,
286.401

■ 44, 5.941, 285.155

Harmonies

Complementary

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



13, 66.745, 303.224



42, 49.057, 93.760

Rectangle

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



13, 66.745, 303.224



13, 66.745, 353.224



13, 66.745, 123.224



13, 66.745, 173.224

Sweetspot

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



13, 66.684, 303.330



47, 22.767, 287.976



43, 32.047, 176.944



22, 15.518, 288.497



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



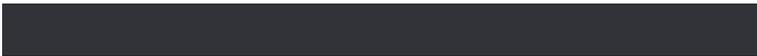
13, 66.684, 303.330



19, 81.888, 303.892



14, 70.800, 309.471



21, 3.286, 285.039



14, 69.269, 303.448



34, 123.061, 304.591

Inverse Universe

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



22, 52.316, 31.417



30, 64.016, 32.973



44, 57.154, 121.545



22, 2.688, 9.023



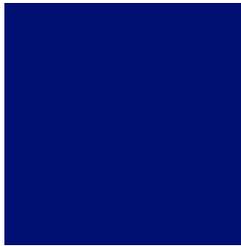
24, 54.335, 31.803



52, 95.783, 34.826

Previews

White Background



This preview shows how the CIELCh color 13, 66.745, 303.224 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, 66.745, 303.224 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, 66.745, 303.224

Background



This preview shows how black text looks on a background with the CIELCh color 13, 66.745, 303.224.



This preview shows how white text looks on a background with the CIELCh color 13, 66.745, 303.224.

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, 66.742, 303.406

Protanopia

14, 28.189, 281.683

Deuteranopia

14, 19.070, 263.138



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
13, 66.742, 303.406

Protanomaly
13, 43.241, 294.859

Deuteranomaly
13, 36.483, 290.772

Tritanomaly
12, 27.112, 282.589

Monochromacy



Original Color
13, 66.742, 303.406

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 26.915, 295.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 66.745, 303.224 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(0, 15, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 15, 114)  
}
```

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(0, 15, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 15, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 66.745, 303.224 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(0, 15, 114) }
```

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

```
.border{ border-color:rgb(0, 15, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 15, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 15, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 15, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 15, 114)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 66.745, 303.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 15, 114) }
```

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

```
.background{ background-color: rgb(0, 15,  
114) }
```

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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