

Converting Colors

CIELCh(7, 68.287, 291.386)

Have a look what the booklet for
CIELCh(7, 68.287, 291.386) contains.

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Color

CIELCh(13, 62.825, 302.163)

Conversions

Conversions Part 1

Format	Color
Hex	00126E
RGB	0, 18, 110
RGB Percent	0%, 7%, 43%
CMY	1.0000, 0.9280, 0.5678
CMYK	1.00, 0.83, 0.00, 0.57
HSL	230°, 100%, 22%
HSV	230°, 100%, 43%
XYZ	3.0245, 1.5625, 14.9521
YIQ	23.1060, -40.2600, 24.7960

Conversions

Conversions Part 2

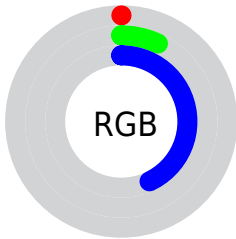
Format	Color
RYB	0, 15, 110
Decimal	4718
CIELab	13.00, 33.44, -53.18
CIELCh	13, 62.825, 302.163
Yxy	1.5625, 0.1548, 0.0800
Android (android.graphics.Color)	4278194798 (0xFF00126E)
YUV	23.1060, 42.8387, -20.2640
Hunter-Lab	12.5000, 21.3148, -62.1710

Details

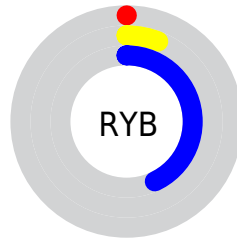
The CIELCh color **13, 62.825, 302.163** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **40, 46.999, 91.349**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **33, 62.858, 302.244**, and **4, 40.416, 299.933** is the 20% darker color. If you saturate the color by 10%, you get **13, 62.767, 302.291**, and if you desaturate by 10%, it is **16, 56.540, 300.011**.

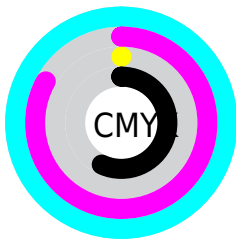
Distribution



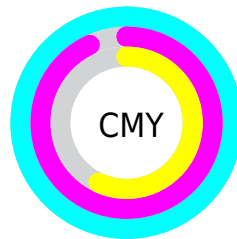
- Red (0%)
- Green (7%)
- Blue (43%)



- Red (0%)
- Yellow (6%)
- Blue (43%)



- Cyan (100%)
- Magenta (83%)
- Yellow (0%)
- Black (57%)





- Cyan (100%)
- Magenta (93%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 62.825, 302.163 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, 62.825, 302.163 by changing the saturation by 10% instead.

 13, 62.825,
302.163

 13, 62.825,
302.163


 100, 62.825,
302.163


 3, 62.825, 302.163


 33, 62.825,
302.163

 0, 62.825, 302.163

 43, 62.825,
302.163


 53, 62.825,
302.163


 63, 62.825,
302.163


 73, 62.825,
302.163


 83, 62.825,


302.163


 93, 62.825,
302.163


 13, 62.825,
302.163


 13, 62.825,
302.163

 13, 62.767,
302.291

 16, 56.540,
300.011

 18, 49.804,
297.325

 22, 42.939,
294.653

 25, 36.187,
292.151

 28, 29.639,
289.899

■ 32, 23.315,
287.920

■ 36, 17.206,
286.204

■ 39, 11.295,
284.726

■ 43, 5.566, 283.458

Harmonies

Complementary

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



13, 62.825, 302.163



40, 46.999, 91.349

Rectangle

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



13, 62.825, 302.163



13, 62.825, 352.163



13, 62.825, 122.163



13, 62.825, 172.163

Sweetspot

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



13, 62.767, 302.291



46, 21.307, 286.331



41, 31.824, 175.200



21, 14.508, 286.847



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



13, 62.767, 302.291



18, 77.328, 302.959



13, 69.177, 309.251



22, 3.173, 283.344



15, 67.166, 302.530



35, 119.925, 303.847

Inverse Universe

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



21, 49.925, 29.085



29, 61.009, 30.667



42, 55.396, 120.744



22, 2.711, 6.532



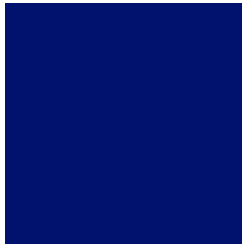
24, 53.270, 29.661



52, 93.785, 32.858

Previews

White Background



This preview shows how the CIELCh color 13, 62.825, 302.163 looks on a white background.

Color Contrast Check

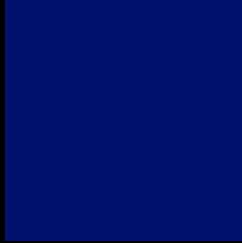
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.825, 302.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

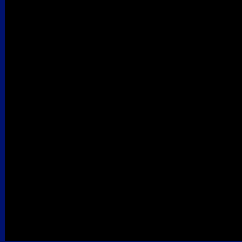
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 62.825, 302.163

Background



This preview shows how black text looks on a background with the CIELCh color 13, 62.825, 302.163.



This preview shows how white text looks on a background with the CIELCh color 13, 62.825, 302.163.

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, 62.864, 302.377

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 19.579, 265.457



Tritanopia
14, 13.556, 202.648

Trichromacy



Original Color
13, 62.864, 302.377

Protanomaly
13, 41.184, 293.622

Deuteranomaly
13, 35.821, 290.367

Tritanomaly
12, 25.748, 280.385

Monochromacy



Original Color
13, 62.864, 302.377

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 25.378, 294.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 62.825, 302.163 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, 18, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 18, 110)  
}
```

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, 18, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 18, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 62.825, 302.163 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, 18, 110) }
```

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

```
.border{ border-color:rgb(0, 18, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 18, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 18, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 18, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 18, 110)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 62.825, 302.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 18, 110) }
```

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

```
.background{ background-color: rgb(0, 18,  
110) }
```

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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