

Converting Colors

CIELCh(13, 60.880, 306.663)

Have a look what the booklet for
CIELCh(13, 60.880, 306.663)
contains.

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Color

CIELCh(13, 61.283, 306.678)

Conversions

Conversions Part 1

Format	Color
Hex	1F0C68
RGB	31, 12, 104
RGB Percent	12%, 5%, 41%
CMY	0.8777, 0.9524, 0.5916
CMYK	0.70, 0.88, 0.00, 0.59
HSL	252°, 79%, 23%
HSV	252°, 88%, 41%
XYZ	3.2092, 1.5625, 13.2660
YIQ	28.1690, -18.2080, 32.6400

Conversions

Conversions Part 2

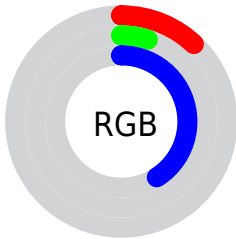
Format	Color
RYB	31, 12, 104
Decimal	2034792
CIELab	13.00, 36.61, -49.15
CIELCh	13, 61.283, 306.678
Yxy	1.5625, 0.1779, 0.0866
Android (android.graphics.Color)	4280224872 (0xFF1F0C68)
YUV	28.1690, 37.3847, 2.4828
Hunter-Lab	12.5000, 23.9523, -54.1731




Details

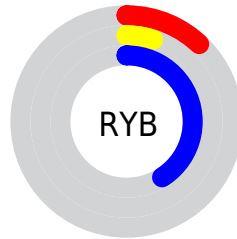
The CIELCh color **13, 61.283, 306.678** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 48.254, 114.222**, and the grayscale version is **10, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 61.245, 306.821**, and **2, 36.912, 298.316** is the 20% darker color. If you saturate the color by 10%, you get **11, 66.792, 307.518**, and if you desaturate by 10%, it is **16, 55.109, 305.800**.

Distribution







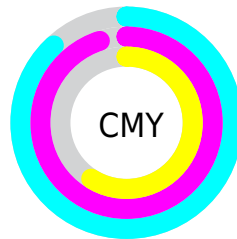
-  Red (12%)
-  Green (5%)
-  Blue (41%)






-  Red (12%)
-  Yellow (5%)
-  Blue (41%)



-  Cyan (70%)
-  Magenta (88%)
-  Yellow (0%)
-  Black (59%)



-  Cyan (88%)
-  Magenta (95%)
-  Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 61.283, 306.678 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, 61.283, 306.678 by changing the saturation by 10% instead.

■ 13, 61.283,
306.678

■ 13, 61.283,
306.678

■ 100, 61.283,
306.678

■ 3, 61.283, 306.678

■ 33, 61.283,
306.678

■ 0, 61.283, 306.678

■ 43, 61.283,
306.678


■ 53, 61.283,
306.678


■ 63, 61.283,
306.678


■ 73, 61.283,
306.678


■ 83, 61.283,


306.678


 93, 61.283,
306.678


 13, 61.283,
306.678


 13, 61.283,
306.678


 11, 66.792,
307.518


 16, 55.109,
305.800

 10, 67.799,
307.715

 19, 48.042,
304.700

 22, 40.630,
303.534

 26, 33.194,
302.398

 30, 25.896,
301.344

■ 33, 18.809,
300.393

■ 37, 11.959,
299.550

■ 41, 5.349, 298.809

■ 45, 1.030, 118.173

Harmonies

Complementary

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



13, 61.283, 306.678



41, 48.254, 114.222

Rectangle

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



13, 61.283, 306.678



13, 61.283, 356.678



13, 61.283, 126.678



13, 61.283, 176.678

Sweetspot

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



13, 61.284, 306.679



44, 22.165, 300.340



33, 21.693, 229.942



21, 15.117, 300.558



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



13, 61.284, 306.679



15, 81.941, 307.503



19, 57.693, 318.128



19, 3.538, 298.847



12, 72.716, 307.629



32, 126.882, 307.204

Inverse Universe

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



23, 49.231, 336.880



30, 61.660, 338.267



39, 55.265, 132.324



20, 3.662, 331.265



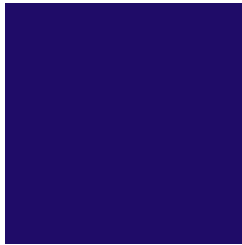
25, 54.952, 338.065



55, 94.451, 338.807

Previews

White Background



This preview shows how the CIE LCh color 13, 61.283, 306.678 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, 61.283, 306.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

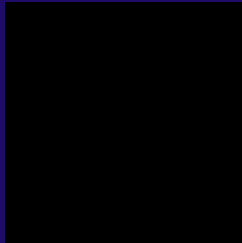
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 61.283, 306.678

Background



This preview shows how black text looks on a background with the CIELCh color 13, 61.283, 306.678.



This preview shows how white text looks on a background with the CIELCh color 13, 61.283, 306.678.

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, 61.283, 306.678

Protanopia

13, 27.595, 281.531

Deuteranopia

14, 19.027, 263.891



Tritanopia
13, 13.247, 206.056

Trichromacy



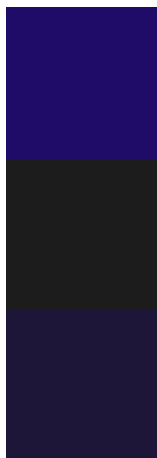
Original Color
13, 61.283, 306.678

Protanomaly
12, 41.294, 296.687

Deuteranomaly
12, 35.133, 293.403

Tritanomaly
11, 26.233, 287.250

Monochromacy



Original Color
13, 61.283, 306.678

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 25.134, 303.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 61.283, 306.678 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(31, 12, 104)` looks like.

```
.text, #text, p{  
    color:rgb(31, 12, 104)  
}
```

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(31, 12, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 12, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 61.283, 306.678 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(31, 12, 104) }
```

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

```
.border{ border-color:rgb(31, 12, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 12, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 12, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 12, 104);  
box-shadow:4px 4px 4px 4px rgb(31, 12,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 61.283, 306.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 12, 104) }
```

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

```
.background{ background-color: rgb(31, 12,  
104) }
```

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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