

Converting Colors

CIELCh(13, 59.251, 310.842)

Have a look what the booklet for
CIELCh(13, 59.251, 310.842)
contains.

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Color

CIELCh(13, 59.361, 310.774)

Conversions

Conversions Part 1

Format	Color
Hex	2D0662
RGB	45, 6, 98
RGB Percent	18%, 2%, 38%
CMY	0.8240, 0.9769, 0.6161
CMYK	0.54, 0.94, 0.00, 0.62
HSL	265°, 89%, 20%
HSV	265°, 94%, 38%
XYZ	3.3397, 1.5625, 11.6521
YIQ	28.1490, -6.2880, 36.8800

Conversions

Conversions Part 2

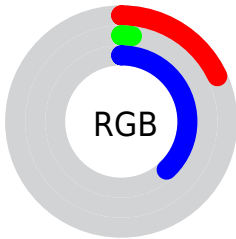
Format	Color
RYB	45, 6, 98
Decimal	2950754
CIELab	13.00, 38.77, -44.95
CIELCh	13, 59.361, 310.774
Yxy	1.5625, 0.2017, 0.0944
Android (android.graphics.Color)	4281140834 (0xFF2D0662)
YUV	28.1490, 34.4365, 14.7783
Hunter-Lab	12.5000, 25.8162, -46.5182

Details

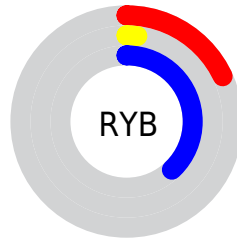
The CIELCh color **13, 59.361, 310.774** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 50.360, 124.106**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 59.741, 310.808**, and **2, 32.875, 296.401** is the 20% darker color. If you saturate the color by 10%, you get **12, 62.422, 310.980**, and if you desaturate by 10%, it is **15, 54.626, 310.679**.

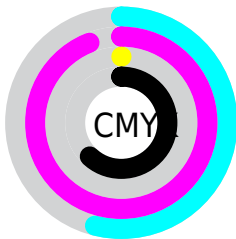
Distribution



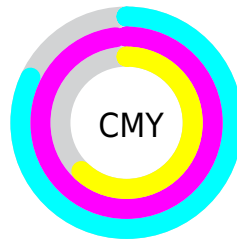
- Red (18%)
- Green (2%)
- Blue (38%)



- Red (18%)
- Yellow (2%)
- Blue (38%)



- Cyan (54%)
- Magenta (94%)
- Yellow (0%)
- Black (62%)



- Cyan (82%)
- Magenta (98%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 59.361, 310.774 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, 59.361, 310.774 by changing the saturation by 10% instead.

■ 13, 59.361,
310.774

■ 13, 59.361,
310.774

■ 100, 59.361,
310.774

■ 3, 59.361, 310.774

■ 33, 59.361,
310.774

■ 0, 59.361, 310.774

■ 43, 59.361,
310.774


■ 53, 59.361,
310.774


■ 63, 59.361,
310.774


■ 73, 59.361,
310.774


■ 83, 59.361,


310.774


 93, 59.361,
310.774

 13, 59.361,
310.774


 13, 59.361,
310.774

 12, 62.422,
310.980

 15, 54.626,
310.679

 18, 48.932,
310.370

 20, 42.528,
309.883

 24, 35.774,
309.306

 27, 28.912,
308.699

■ 30, 22.087,
308.101

■ 33, 15.384,
307.534

■ 37, 8.844, 307.009

■ 40, 2.487, 306.518

Harmonies

Complementary

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



13, 59.361, 310.774



37, 50.360, 124.106

Rectangle

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



13, 59.361, 310.774



13, 59.361, 0.774



13, 59.361, 130.774



13, 59.361, 180.774

Sweetspot

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



13, 59.361, 310.775



42, 22.465, 307.804



24, 27.220, 268.939



19, 15.435, 307.977



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



13, 59.361, 310.775



17, 75.580, 310.650



21, 55.877, 325.174



18, 3.491, 306.756



14, 68.861, 310.800



36, 121.250, 310.128

Inverse Universe

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



20, 42.237, 351.482



27, 52.034, 353.835



36, 56.949, 135.775



18, 3.005, 340.354



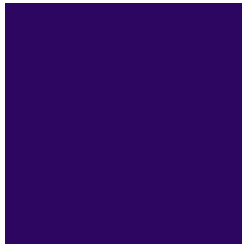
23, 47.593, 353.358



52, 82.362, 355.601

Previews

White Background



This preview shows how the CIELCh color 13, 59.361, 310.774 looks on a white background.

Color Contrast Check

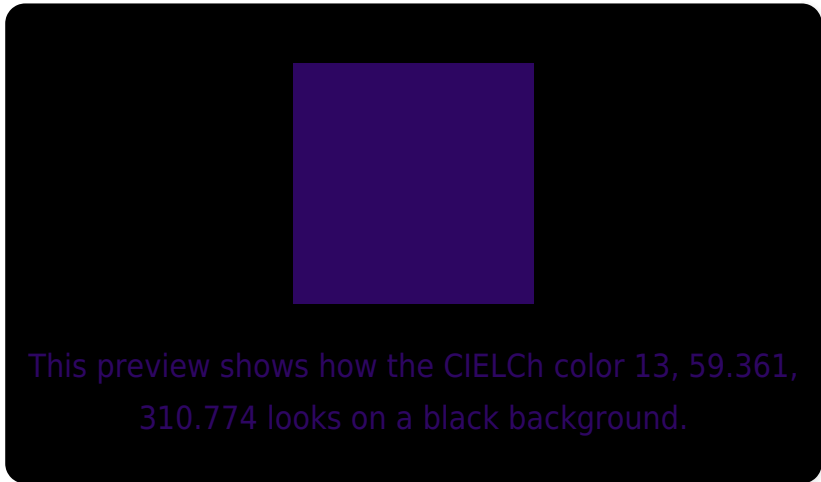
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

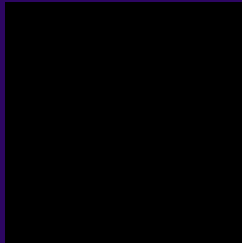
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 59.361, 310.774

Background



This preview shows how black text looks on a background with the CIELCh color 13, 59.361, 310.774.



This preview shows how white text looks on a background with the CIELCh color 13, 59.361, 310.774.

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, 59.361, 310.774

Protanopia

14, 28.189, 281.683

Tritanopia

14, 5.617, 220.801

Trichromacy

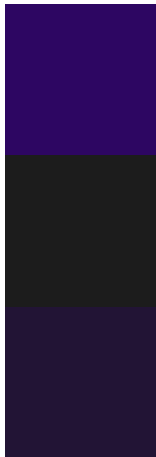


Original Color
13, 59.361, 310.774

Protanomaly
12, 42.035, 298.687

Tritanomaly
12, 26.125, 302.652

Monochromacy



Original Color
13, 59.361, 310.774

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 24.783, 309.455

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 59.361, 310.774 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(45, 6, 98)` looks like.

```
.text, #text, p{  
    color:rgb(45, 6, 98)  
}
```

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(45, 6, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 6, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 59.361, 310.774 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(45, 6, 98) }
```

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

```
.border{ border-color:rgb(45, 6, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 6, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 6, 98); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 6, 98); box-shadow:4px  
4px 4px 4px rgb(45, 6, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 59.361, 310.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 6, 98) }
```

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

```
.background{ background-color: rgb(45, 6,  
98) }
```

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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