

Converting Colors

CIELCh(13, 43.997, 313.884)

Have a look what the booklet for
CIELCh(13, 43.997, 313.884)
contains.

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Color

CIELCh(13, 43.663, 314.030)

Conversions

Conversions Part 1

Format	Color
Hex	320F4E
RGB	50, 15, 78
RGB Percent	20%, 6%, 31%
CMY	0.8043, 0.9416, 0.6945
CMYK	0.36, 0.81, 0.00, 0.69
HSL	273°, 68%, 18%
HSV	273°, 81%, 31%
XYZ	2.8506, 1.5625, 7.3388
YIQ	32.6470, 0.6370, 27.0130

Conversions

Conversions Part 2

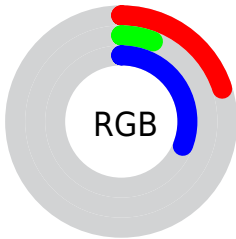
Format	Color
R_YB	50, 15, 78
Decimal	3280718
CIE _{Lab}	13.00, 30.35, -31.39
CIE _{LCh}	13, 43.663, 314.030
Yxy	1.5625, 0.2426, 0.1330
Android (android.graphics.Color)	4281470798 (0xFF320F4E)
YUV	32.6470, 22.3590, 15.2186
Hunter-Lab	12.5000, 18.8319, -26.0594

Details

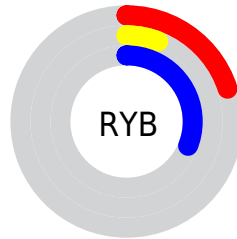
The CIELCh color **13, 43.663, 314.030** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 39.853, 128.179**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 43.768, 314.156**, and **1, 18.521, 289.455** is the 20% darker color. If you saturate the color by 10%, you get **11, 47.719, 314.044**, and if you desaturate by 10%, it is **15, 38.928, 313.851**.

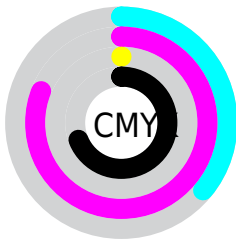
Distribution



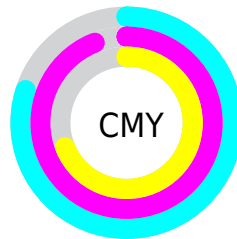
- Red (20%)
- Green (6%)
- Blue (31%)



- Red (20%)
- Yellow (6%)
- Blue (31%)



- Cyan (36%)
- Magenta (81%)
- Yellow (0%)
- Black (69%)





- Cyan (80%)
- Magenta (94%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 43.663, 314.030 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, 43.663, 314.030 by changing the saturation by 10% instead.

 13, 43.663,
314.030


 13, 43.663,
314.030


 100, 43.663,
314.030


 3, 43.663, 314.030


 33, 43.663,
314.030

 0, 43.663, 314.030

 43, 43.663,
314.030


 53, 43.663,
314.030


 63, 43.663,
314.030


 73, 43.663,
314.030


 83, 43.663,


314.030


 93, 43.663,
314.030


 13, 43.663,
314.030


 13, 43.663,
314.030


 11, 47.719,
314.044


 15, 38.928,
313.851

 10, 51.789,
314.266

 17, 33.683,
313.534

 20, 28.157,
313.136

 22, 22.516,
312.700

 25, 16.871,
312.253

■ 28, 11.290,
311.815

■ 30, 5.815, 311.394

■ 33, 0.468, 310.870

■ 36, 4.741, 130.676

Harmonies

Complementary

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



13, 43.663, 314.030



29, 39.853, 128.179

Rectangle

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



13, 43.663, 314.030



13, 43.663, 4.030



13, 43.663, 134.030



13, 43.663, 184.030

Sweetspot

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



13, 43.663, 314.030



35, 16.292, 311.989



17, 24.645, 277.850



16, 11.074, 312.075



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



13, 43.663, 314.030



15, 61.245, 313.854



18, 42.163, 329.548



14, 2.931, 311.301



15, 62.597, 313.859



38, 114.011, 313.078

Inverse Universe

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



16, 31.496, 357.555



20, 42.444, 3.485



28, 43.380, 138.820



14, 2.248, 347.375



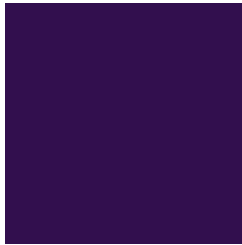
20, 43.116, 4.436



49, 77.988, 8.100

Previews

White Background



This preview shows how the CIELCh color 13, 43.663, 314.030 looks on a white background.

Color Contrast Check

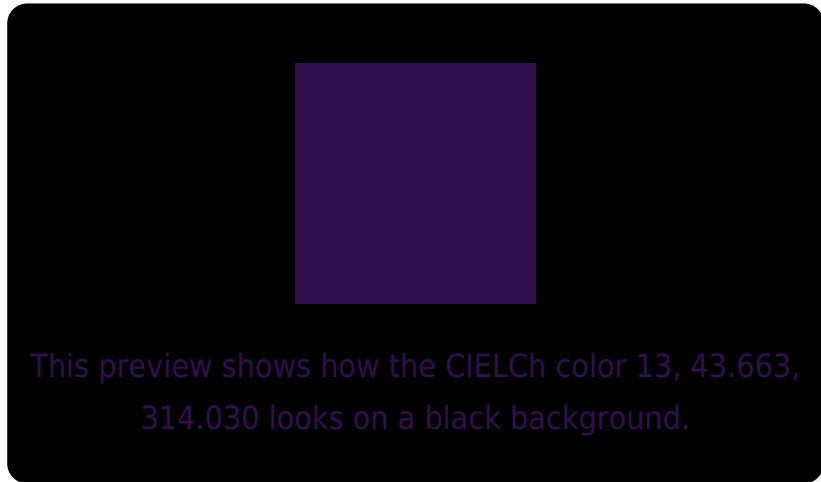
Large Text (above 18pt) WCAG AA ✓ Pass

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

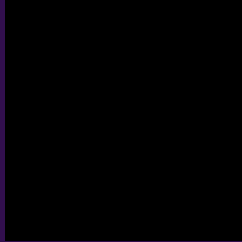
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 43.663, 314.030

Background



This preview shows how black text looks on a background with the CIELCh color 13, 43.663, 314.030.



This preview shows how white text looks on a background with the CIELCh color 13, 43.663, 314.030.

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, 43.663, 314.030

Protanopia
13, 27.595, 281.531

Deuteranopia
13, 20.118, 267.677



Tritanopia
14, 4.737, 3.256

Trichromacy



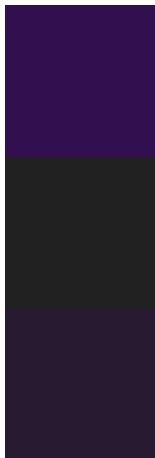
Original Color
13, 43.663, 314.030

Protanomaly
12, 33.738, 295.368

Deuteranomaly
12, 28.877, 292.689

Tritanomaly
13, 19.609, 319.356

Monochromacy



Original Color
13, 43.663, 314.030

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 17.587, 313.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 43.663, 314.030 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(50, 15, 78)` looks like.

```
.text, #text, p{  
    color:rgb(50, 15, 78)  
}
```

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(50, 15, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 15, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 43.663, 314.030 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(50, 15, 78) }
```

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

```
.border{ border-color:rgb(50, 15, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 15, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 15, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 15, 78);  
box-shadow:4px 4px 4px 4px rgb(50, 15, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 43.663, 314.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 15, 78) }
```

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

```
.background{ background-color: rgb(50, 15,  
78) }
```

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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