

Converting Colors

CIELCh(13, 35.421, 312.841)

Have a look what the booklet for
CIELCh(13, 35.421, 312.841)
contains.

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Color

CIELCh(13, 35.240, 313.064)

Conversions

Conversions Part 1

Format	Color
Hex	2F1546
RGB	47, 21, 70
RGB Percent	18%, 8%, 27%
CMY	0.8168, 0.9187, 0.7266
CMYK	0.33, 0.70, 0.00, 0.73
HSL	272°, 54%, 18%
HSV	272°, 70%, 27%
XYZ	2.5184, 1.5625, 5.9149
YIQ	34.3600, -0.2330, 20.7510

Conversions

Conversions Part 2

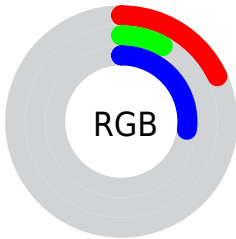
Format	Color
R_{YB}	47, 21, 70
Decimal	3085638
CIE _{Lab}	13.00, 24.06, -25.75
CIE _{LCh}	13, 35.240, 313.064
Yxy	1.5625, 0.2519, 0.1563
Android (android.graphics.Color)	4281275718 (0xFF2F1546)
YUV	34.3600, 17.5705, 11.0853
Hunter-Lab	12.5000, 14.0884, -19.3057

Details

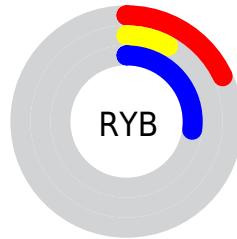
The CIELCh color **13, 35.240, 313.064** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 32.334, 127.433**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 35.598, 313.010**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **11, 39.724, 313.305**, and if you desaturate by 10%, it is **15, 30.360, 312.705**.

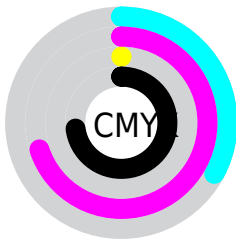
Distribution



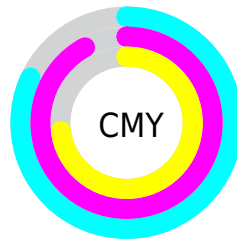
- Red (18%)
- Green (8%)
- Blue (27%)



- Red (18%)
- Yellow (8%)
- Blue (27%)



- Cyan (33%)
- Magenta (70%)
- Yellow (0%)
- Black (73%)





- Cyan (82%)
- Magenta (92%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 35.240, 313.064 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, 35.240, 313.064 by changing the saturation by 10% instead.

 13, 35.240,
313.064


 13, 35.240,
313.064


 100, 35.240,
313.064


 3, 35.240, 313.064


 33, 35.240,
313.064

 0, 35.240, 313.064

 43, 35.240,
313.064


 53, 35.240,
313.064


 63, 35.240,
313.064


 73, 35.240,
313.064


 83, 35.240,


313.064

 93, 35.240,
313.064


 13, 35.240,
313.064

 13, 35.240,
313.064


 11, 39.724,
313.305


 15, 30.360,
312.705

 9, 43.730, 313.426

 17, 25.276,
312.280

 8, 48.179, 313.829

 20, 20.124,
311.826

 22, 14.990,
311.371

 25, 9.927, 310.929

■ 27, 4.967, 310.507

■ 30, 0.127, 309.657

■ 32, 4.587, 129.793

■ 34, 9.172, 129.466

Harmonies

Complementary

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



13, 35.240, 313.064



27, 32.334, 127.433

Rectangle

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



13, 35.240, 313.064



13, 35.240, 3.064



13, 35.240, 133.064



13, 35.240, 183.064

Sweetspot

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



13, 35.240, 313.064



32, 12.957, 310.999



18, 18.594, 270.596



15, 8.652, 311.048



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 35.240, 313.064



15, 51.371, 313.366



17, 35.919, 328.043



13, 2.748, 310.439



14, 61.788, 313.277



37, 113.669, 312.461

Inverse Universe

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



15, 26.265, 353.173



19, 36.843, 356.943



25, 36.412, 139.342



13, 2.154, 345.913



20, 42.482, 2.012



49, 77.319, 5.593

Previews

White Background



This preview shows how the CIELCh color 13, 35.240, 313.064 looks on a white background.

Color Contrast Check

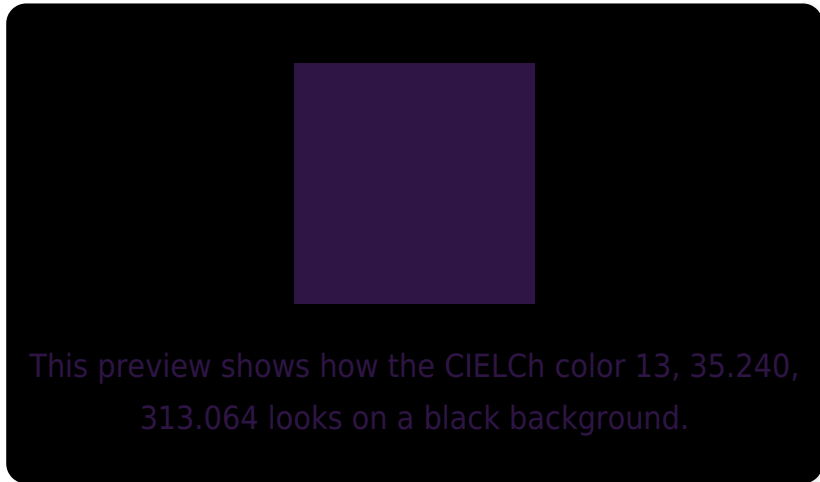
Large Text (above 18pt) WCAG AA ✓ Pass

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

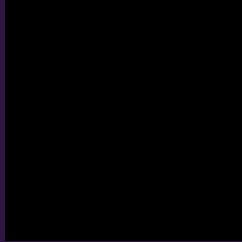
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 35.240, 313.064

Background



This preview shows how black text looks on a background with the CIELCh color 13, 35.240, 313.064.



This preview shows how white text looks on a background with the CIELCh color 13, 35.240, 313.064.

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, 35.240, 313.064

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 20.684, 269.799



Tritanopia
13, 4.533, 352.460

Trichromacy



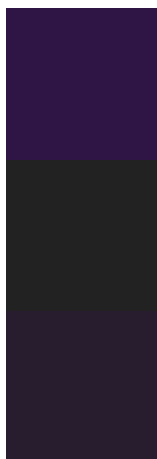
Original Color
13, 35.240, 313.064

Protanomaly
12, 29.500, 291.964

Deuteranomaly
12, 25.312, 288.686

Tritanomaly
13, 15.660, 317.205

Monochromacy



Original Color
13, 35.240, 313.064

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 13.752, 312.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 35.240, 313.064 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(47, 21, 70)` looks like.

```
.text, #text, p{  
    color:rgb(47, 21, 70)  
}
```

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(47, 21, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 21, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 35.240, 313.064 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(47, 21, 70) }
```

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

```
.border{ border-color:rgb(47, 21, 70) }
```

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

Here you see how a box with a 4 pixel rgb(47, 21, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 21, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 21, 70);  
box-shadow:4px 4px 4px 4px rgb(47, 21, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 35.240, 313.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 21, 70) }
```

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

```
.background{ background-color: rgb(47, 21,  
70) }
```

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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