

Converting Colors

CIELCh(13, 12.486, 315.741)

Have a look what the booklet for
CIELCh(13, 12.486, 315.741)
contains.

CIELCh(13, 12.386, 314.545)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(13, 12.386, 314.545)

Conversions

Conversions Part 1

Format	Color
Hex	281E2E
RGB	40, 30, 46
RGB Percent	16%, 12%, 18%
CMY	0.8439, 0.8831, 0.8204
CMYK	0.13, 0.35, 0.00, 0.82
HSL	277°, 21%, 15%
HSV	277°, 35%, 18%
XYZ	1.8168, 1.5625, 2.7708
YIQ	34.8140, 0.8240, 7.0960

Conversions

Conversions Part 2

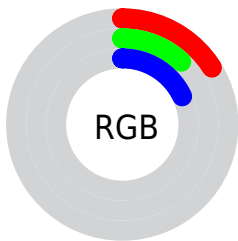
Format	Color
R_{YB}	40, 30, 46
Decimal	2629166
CIE Lab	13.00, 8.69, -8.83
CIE LCh	13, 12.386, 314.545
Yxy	1.5625, 0.2954, 0.2541
Android (android.graphics.Color)	4280819246 (0xFF281E2E)
YUV	34.8140, 5.5147, 4.5481
Hunter-Lab	12.5000, 4.0690, -4.3926

Details

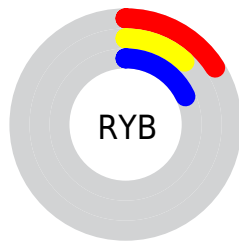
The CIELCh color **13, 12.386, 314.545** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 12.043, 132.009**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 12.276, 313.621**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 16.019, 314.914**, and if you desaturate by 10%, it is **15, 8.770, 314.173**.

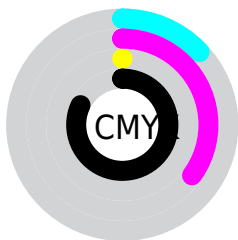
Distribution



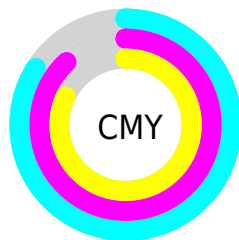
- Red (16%)
- Green (12%)
- Blue (18%)



- Red (16%)
- Yellow (12%)
- Blue (18%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (82%)





- Cyan (84%)
- Magenta (88%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 12.386, 314.545 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, 12.386, 314.545 by changing the saturation by 10% instead.

 13, 12.386,
314.545


 13, 12.386,
314.545


 100, 12.386,
314.545


 3, 12.386, 314.545


 33, 12.386,
314.545

 0, 12.386, 314.545

 43, 12.386,
314.545


 53, 12.386,
314.545


 63, 12.386,
314.545


 73, 12.386,
314.545


 83, 12.386,

314.545


 93, 12.386,
314.545

 13, 12.386,
314.545

 13, 12.386,
314.545

 11, 16.019,
314.914

 15, 8.770, 314.173

 10, 19.630,
315.267

 16, 5.201, 313.807

 18, 1.695, 313.438

 8, 23.155, 315.584

 20, 1.737, 133.178


 7, 26.296, 315.644

 21, 5.090, 132.852

 6, 28.749, 315.246

 23, 8.363, 132.565

 5, 31.036, 314.705

 25, 11.555,

■ 4, 32.148, 314.381 132.304

■ 27, 14.668,
132.066

■ 28, 17.704,
131.850

Harmonies

Complementary

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



13, 12.386, 314.545



17, 12.043, 132.009

Rectangle

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



13, 12.386, 314.545



13, 12.386, 4.545



13, 12.386, 134.545



13, 12.386, 184.545

Sweetspot

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



13, 12.385, 314.545



23, 4.280, 313.649



14, 7.413, 271.363



10, 2.955, 313.657



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



13, 12.385, 314.545



16, 18.448, 314.891



14, 12.502, 329.462



7, 1.766, 312.940



12, 55.067, 315.911



38, 106.618, 315.000

Inverse Universe

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



13, 9.023, 353.941



17, 13.449, 354.982



17, 12.483, 145.736



7, 1.267, 351.564



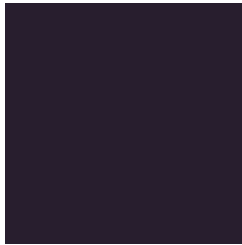
16, 38.532, 9.600



46, 74.878, 14.663

Previews

White Background



This preview shows how the CIE LCh color 13, 12.386, 314.545 looks on a white background.

Color Contrast Check

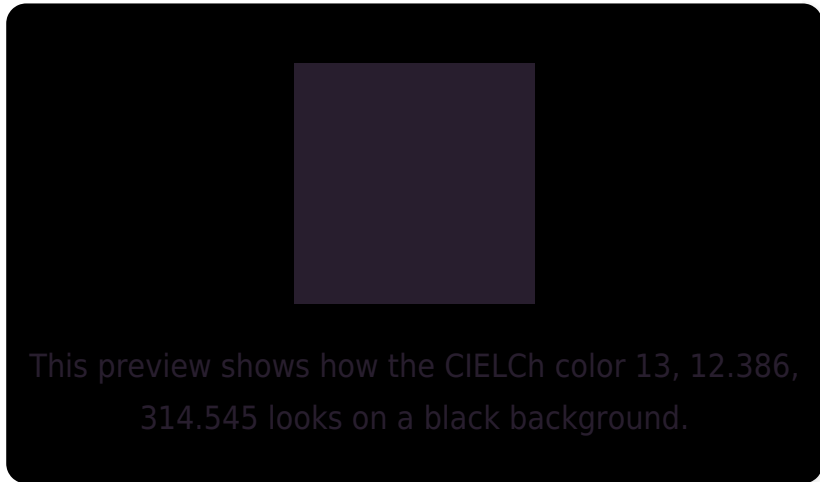
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.386, 314.545

Background



This preview shows how black text looks on a background with the CIELCh color 13, 12.386, 314.545.



This preview shows how white text looks on a background with the CIELCh color 13, 12.386, 314.545.

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

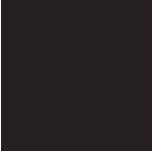
13, 12.386, 314.545

Protanopia

13, 10.851, 284.523

Deuteranopia

13, 8.647, 286.928



Tritanopia
13, 3.681, 344.657

Trichromacy



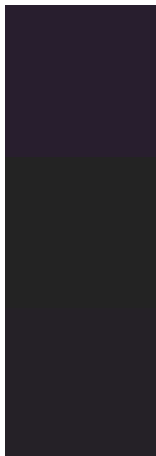
Original Color
13, 12.386, 314.545

Protanomaly
13, 10.819, 295.552

Deuteranomaly
13, 9.423, 298.243

Tritanomaly
13, 6.936, 325.310

Monochromacy



Original Color
13, 12.386, 314.545

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 4.730, 315.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 12.386, 314.545 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(40, 30, 46)` looks like.

```
.text, #text, p{  
    color:rgb(40, 30, 46)  
}
```

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(40, 30, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 30, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 12.386, 314.545 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(40, 30, 46) }
```

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

```
.border{ border-color:rgb(40, 30, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 30, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 30, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 30, 46);  
box-shadow:4px 4px 4px 4px rgb(40, 30, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 12.386, 314.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 30, 46) }
```

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

```
.background{ background-color: rgb(40, 30,  
46) }
```

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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