

Converting Colors

CIELCh(12, 13.333, 315.425)

Have a look what the booklet for
CIELCh(12, 13.333, 315.425)
contains.

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Color

CIELCh(12, 13.333, 315.383)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------|
| Hex | 261B2C |
| RGB | 38, 27, 44 |
| RGB Percent | 15%, 11%, 17% |
| CMY | 0.8494, 0.8926, 0.8258 |
| CMYK | 0.14, 0.38, 0.00, 0.83 |
| HSL | 279°, 24%, 14% |
| HSV | 279°, 38%, 17% |
| XYZ | 1.6775, 1.4064, 2.6065 |
| YIQ | 32.2270, 1.0990, 7.6190 |

Conversions

Conversions Part 2

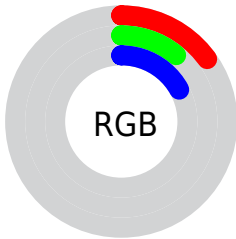
| Format | Color |
|-------------------------------------|--|
| RYB | 38, 27, 44 |
| Decimal | 2497324 |
| CIELab | 12.00, 9.49, -9.36 |
| CIELCh | 12, 13.333, 315.383 |
| Yxy | 1.4064, 0.2948, 0.2472 |
| Android (android.graphics.Color) | 4280687404 (0xFF261B2C) |
| YUV | 32.2270, 5.8041, 5.0629 |
| Hunter-Lab | 11.8591, 4.4961, -4.7299 |

Details

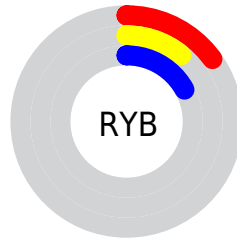
The CIELCh color **12, 13.333, 315.383** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 12.959, 132.599**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 13.845, 314.997**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 16.874, 315.738**, and if you desaturate by 10%, it is **14, 9.792, 315.019**.

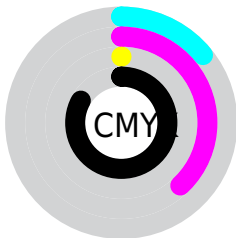
Distribution



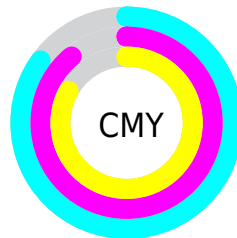
- Red (15%)
- Green (11%)
- Blue (17%)



- Red (15%)
- Yellow (11%)
- Blue (17%)



- Cyan (14%)
- Magenta (38%)
- Yellow (0%)
- Black (83%)



- Cyan (85%)
- Magenta (89%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 13.333, 315.383 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 12, 13.333, 315.383 by changing the saturation by 10% instead.

■ 12, 13.333,
315.383

■ 12, 13.333,
315.383

■ 100, 13.333,
315.383

■ 2, 13.333, 315.383

■ 32, 13.333,
315.383

■ 0, 13.333, 315.383

■ 42, 13.333,
315.383


■ 52, 13.333,
315.383


■ 62, 13.333,
315.383


■ 72, 13.333,
315.383


■ 82, 13.333,

315.383

 92, 13.333,
315.383

 12, 13.333,
315.383


 12, 13.333,
315.383

 10, 16.874,
315.738

 14, 9.792, 315.019

 9, 20.368, 316.069

 15, 6.285, 314.658

 8, 23.712, 316.319

 17, 2.831, 314.299

 6, 26.374, 316.092


 18, 0.556, 134.094

 5, 28.637, 315.602

 20, 3.870, 133.693

 4, 30.775, 314.996

 22, 7.106, 133.396

 23, 10.264,

■ 4, 31.118, 314.884 133.125

■ 25, 13.345,
132.877

■ 27, 16.351,
132.651

Harmonies

Complementary

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



12, 13.333, 315.383



17, 12.959, 132.599

Rectangle

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



12, 13.333, 315.383



12, 13.333, 5.383



12, 13.333, 135.383



12, 13.333, 185.383

Sweetspot

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



12, 13.332, 315.383



22, 5.174, 314.458



13, 8.101, 273.289



10, 3.472, 314.454



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



12, 13.332, 315.383



15, 20.305, 315.756



13, 13.210, 330.170



7, 1.776, 313.686



13, 54.844, 316.536



38, 106.129, 315.653

Inverse Universe

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



12, 9.577, 355.776



16, 14.614, 357.028



16, 13.188, 146.007



7, 1.250, 353.004



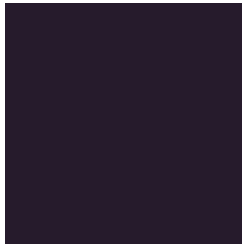
16, 38.643, 11.617



45, 75.410, 16.818

Previews

White Background



This preview shows how the CIE LCh color 12, 13.333, 315.383 looks on a white background.

Color Contrast Check

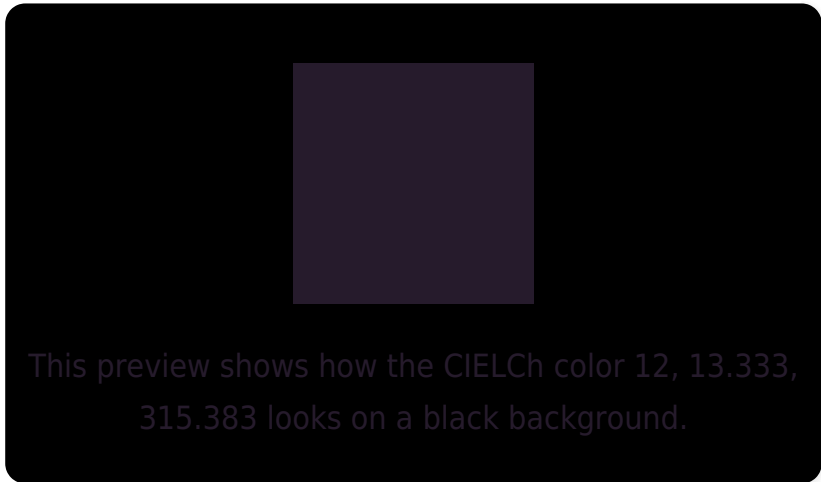
Large Text (above 18pt) WCAG AA ✓ Pass

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 12, 13.333, 315.383

Background



This preview shows how black text looks on a background with the CIELCh color 12, 13.333, 315.383.



This preview shows how white text looks on a background with the CIELCh color 12, 13.333, 315.383.

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


12, 13.333, 315.383

Protanopia

12, 11.698, 283.659

Deuteranopia

12, 9.474, 285.243



Tritanopia
12, 3.828, 358.364

Trichromacy



Original Color
12, 13.333, 315.383

Protanomaly
12, 11.631, 295.701

Deuteranomaly
12, 10.222, 298.099

Tritanomaly
12, 7.265, 328.678

Monochromacy



Original Color
12, 13.333, 315.383

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 4.769, 315.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 13.333, 315.383 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(38, 27, 44)` looks like.

```
.text, #text, p{  
    color:rgb(38, 27, 44)  
}
```

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(38, 27, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 27, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 13.333, 315.383 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(38, 27, 44) }
```

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

```
.border{ border-color:rgb(38, 27, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 27, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 27, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 27, 44);  
box-shadow:4px 4px 4px 4px rgb(38, 27, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 13.333, 315.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 27, 44) }
```

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

```
.background{ background-color: rgb(38, 27,  
44) }
```

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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