

Converting Colors

CIELCh(12, 12.183, 314.383)

Have a look what the booklet for
CIELCh(12, 12.183, 314.383)
contains.

CIELCh(12, 11.826, 315.870)	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(12, 11.826, 315.870)

Conversions

Conversions Part 1

Format	Color
Hex	261C2B
RGB	38, 28, 43
RGB Percent	15%, 11%, 17%
CMY	0.8516, 0.8907, 0.8320
CMYK	0.12, 0.35, 0.00, 0.83
HSL	280°, 21%, 14%
HSV	280°, 35%, 17%
XYZ	1.6391, 1.4064, 2.4561
YIQ	32.7000, 1.1450, 6.7850

Conversions

Conversions Part 2

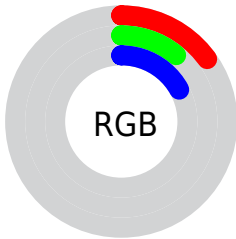
Format	Color
R_{YB}	38, 28, 43
Decimal	2497579
CIE Lab	12.00, 8.49, -8.23
CIE LCh	12, 11.826, 315.870
Yxy	1.4064, 0.2979, 0.2556
Android (android.graphics.Color)	4280687659 (0xFF261C2B)
YUV	32.7000, 5.0779, 4.6481
Hunter-Lab	11.8591, 3.9173, -3.9782

Details

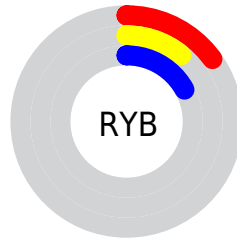
The CIELCh color **12, 11.826, 315.870** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 11.546, 133.365**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 11.938, 316.665**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 15.270, 316.221**, and if you desaturate by 10%, it is **14, 8.390, 315.513**.

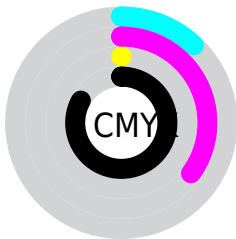
Distribution



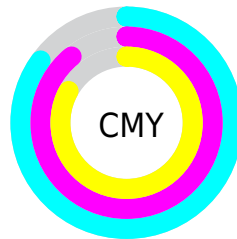
- Red (15%)
- Green (11%)
- Blue (17%)



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



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (83%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 11.826, 315.870 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, 11.826, 315.870 by changing the saturation by 10% instead.

■ 12, 11.826,
315.870

■ 12, 11.826,
315.870

■ 100, 11.826,
315.870

■ 2, 11.826, 315.870

■ 32, 11.826,
315.870

■ 0, 11.826, 315.870

■ 42, 11.826,
315.870


■ 52, 11.826,
315.870


■ 62, 11.826,
315.870


■ 72, 11.826,
315.870


■ 82, 11.826,

315.870

 92, 11.826,
315.870

 12, 11.826,
315.870

 12, 11.826,
315.870

 10, 15.270,
316.221

 14, 8.390, 315.513

 9, 18.683, 316.554

 15, 4.991, 315.158

 8, 21.985, 316.828


 17, 1.646, 314.795

 6, 24.684, 316.655


 18, 1.633, 134.545

 5, 26.861, 316.156

 20, 4.841, 134.217

 4, 28.917, 315.548

 21, 7.974, 133.929

 23, 11.032,

■ 4, 29.902, 315.200

133.665

■ 25, 14.017,
133.422

■ 26, 16.929,
133.200

Harmonies

Complementary

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



12, 11.826, 315.870



16, 11.546, 133.365

Rectangle

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



12, 11.826, 315.870



12, 11.826, 5.870



12, 11.826, 135.870



12, 11.826, 185.870

Sweetspot

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



12, 11.825, 315.870



22, 4.166, 315.003



13, 7.305, 274.082



9, 2.768, 315.003



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



12, 11.825, 315.870



15, 17.899, 316.208



13, 11.574, 330.549



6, 1.439, 314.337



13, 53.535, 317.129



39, 104.769, 316.240

Inverse Universe

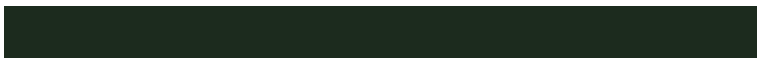
The Inverse Universe completely reimagines the original color for something new.



12, 8.380, 356.691



16, 12.731, 357.783



16, 11.546, 146.797



6, 0.997, 354.238



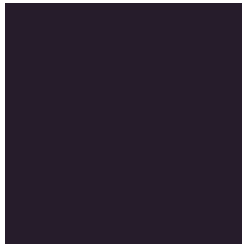
15, 37.974, 13.097



45, 75.271, 18.600

Previews

White Background



This preview shows how the CIELCh color 12, 11.826, 315.870 looks on a white background.

Color Contrast Check

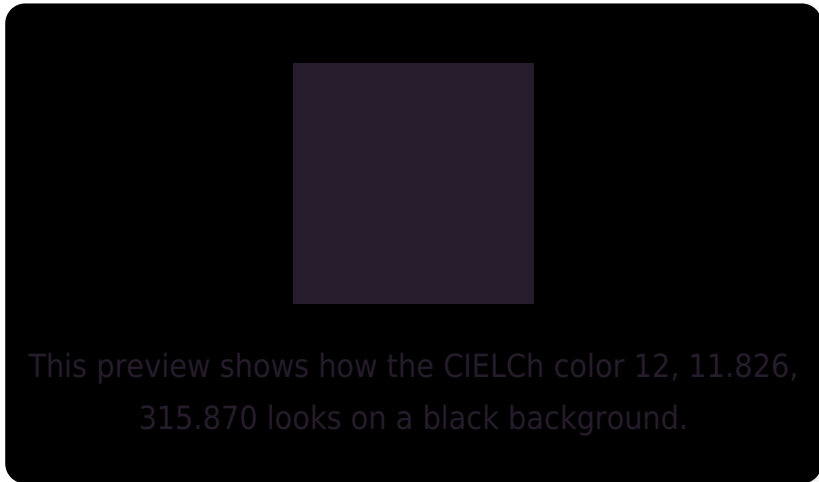
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.826, 315.870

Background



This preview shows how black text looks on a background with the CIELCh color 12, 11.826, 315.870.



This preview shows how white text looks on a background with the CIELCh color 12, 11.826, 315.870.

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

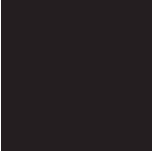
12, 11.826, 315.870

Protanopia

12, 10.233, 283.808

Deuteranopia

12, 8.003, 286.278



Tritanopia
12, 3.360, 354.879

Trichromacy



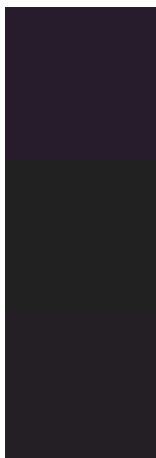
Original Color
12, 11.826, 315.870

Protanomaly
12, 10.191, 295.653

Deuteranomaly
12, 8.786, 298.626

Tritanomaly
12, 6.417, 329.016

Monochromacy



Original Color
12, 11.826, 315.870

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, 11.826, 315.870 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, 28, 43)` looks like.

```
.text, #text, p{  
    color:rgb(38, 28, 43)  
}
```

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, 28, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 28, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 11.826, 315.870 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, 28, 43) }
```

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

```
.border{ border-color:rgb(38, 28, 43) }
```

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

Here you see how a box with a 4 pixel rgb(38, 28, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 28, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 28, 43);  
box-shadow:4px 4px 4px 4px rgb(38, 28, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 11.826, 315.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 28, 43) }
```

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

```
.background{ background-color: rgb(38, 28,  
43) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor