

Converting Colors

CIELCh(12, 14.445, 326.682)

Have a look what the booklet for
CIELCh(12, 14.445, 326.682)
contains.

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Color

CIELCh(12, 14.503, 326.157)

Conversions

Conversions Part 1

Format	Color
Hex	2B1A2B
RGB	43, 26, 43
RGB Percent	17%, 10%, 17%
CMY	0.8325, 0.8991, 0.8325
CMYK	0.00, 0.40, 0.00, 0.83
HSL	300°, 25%, 13%
HSV	300°, 40%, 17%
XYZ	1.7782, 1.4064, 2.4357
YIQ	33.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

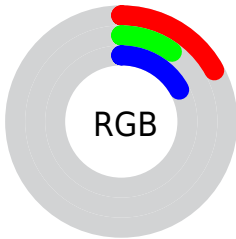
Format	Color
RYB	43, 26, 43
Decimal	2824747
CIELab	12.00, 12.05, -8.08
CIElCh	12, 14.503, 326.157
Yxy	1.4064, 0.3164, 0.2502
Android (android.graphics.Color)	4281014827 (0xFF2B1A2B)
YUV	33.0210, 4.9196, 8.7516
Hunter-Lab	11.8591, 6.0122, -3.8759

Details

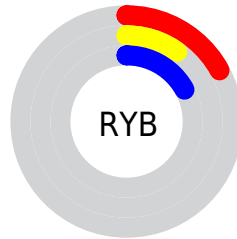
The CIELCh color **12, 14.503, 326.157** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 14.508, 142.169**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 14.692, 326.961**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 18.014, 326.564**, and if you desaturate by 10%, it is **13, 10.884, 325.731**.

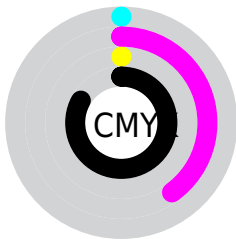
Distribution



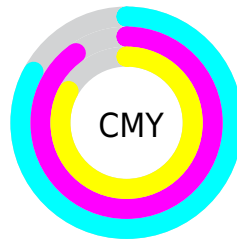
- Red (17%)
- Green (10%)
- Blue (17%)



- Red (17%)
- Yellow (10%)
- Blue (17%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (83%)





- Cyan (83%)
- Magenta (90%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 14.503, 326.157 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, 14.503, 326.157 by changing the saturation by 10% instead.

 12, 14.503,
326.157


 12, 14.503,
326.157


 100, 14.503,
326.157


 2, 14.503, 326.157


 32, 14.503,
326.157

 0, 14.503, 326.157

 42, 14.503,
326.157


 52, 14.503,
326.157


 62, 14.503,
326.157


 72, 14.503,
326.157


 82, 14.503,


326.157


 92, 14.503,
326.157

 12, 14.503,
326.157

 12, 14.503,
326.157

 11, 18.014,
326.564

 13, 10.884,
325.731

 10, 21.347,
326.942

 15, 7.219, 325.291

 9, 24.416, 327.283

 16, 3.553, 324.839


 8, 27.157, 327.580

 17, 0.082, 145.513

 7, 29.816, 327.814

 19, 3.662, 144.019

 6, 32.450, 327.985

 20, 7.172, 143.587

■ 6, 32.512, 327.989

■ 22, 10.603,
143.175

■ 23, 13.949,
142.781

■ 25, 17.207,
142.405

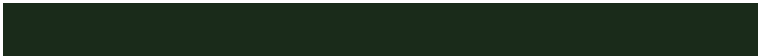
Harmonies

Complementary

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



12, 14.503, 326.157



15, 14.508, 142.169

Rectangle

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



12, 14.503, 326.157



12, 14.503, 16.157



12, 14.503, 146.157



12, 14.503, 196.157

Sweetspot

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



12, 14.502, 326.157



21, 5.504, 324.976



10, 12.343, 293.547



9, 3.556, 324.960



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, 14.502, 326.157



16, 21.846, 326.612



12, 10.492, 345.711



6, 1.593, 324.404



18, 51.595, 328.224



50, 100.413, 328.223

Inverse Universe

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



11, 9.158, 22.131



15, 14.362, 23.444



16, 10.123, 159.796



6, 0.896, 19.279



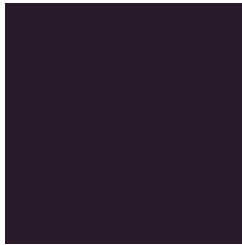
15, 42.653, 33.016



44, 90.851, 39.992

Previews

White Background



This preview shows how the CIELCh color 12, 14.503, 326.157 looks on a white background.

Color Contrast Check

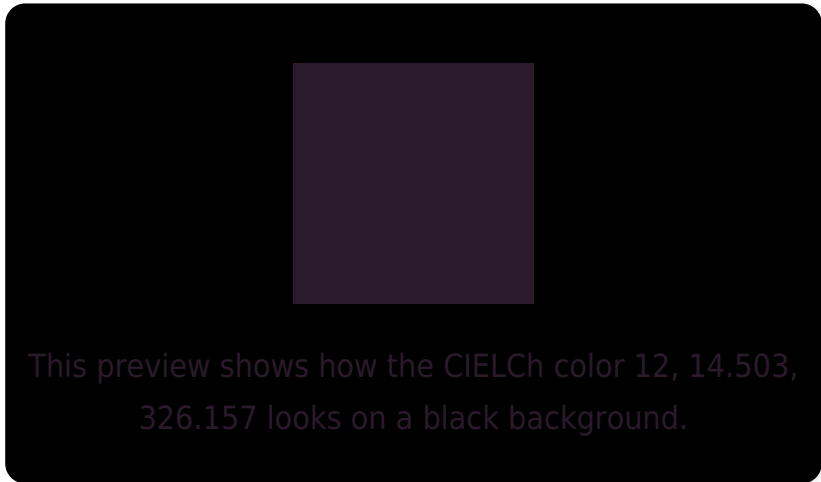
Large Text (above 18pt) WCAG AA ✓ Pass

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

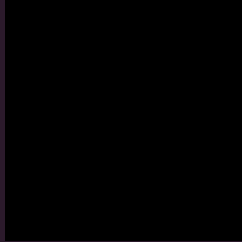
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 14.503, 326.157

Background



This preview shows how black text looks on a background with the CIELCh color 12, 14.503, 326.157.



This preview shows how white text looks on a background with the CIELCh color 12, 14.503, 326.157.

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, 14.503, 326.157

Protanopia

12, 11.650, 285.554

Deuteranopia

12, 7.977, 289.392



Tritanopia
12, 7.010, 3.626

Trichromacy



Original Color
12, 14.503, 326.157

Protanomaly
12, 11.800, 302.063

Deuteranomaly
12, 9.872, 308.953

Tritanomaly
12, 9.379, 344.427

Monochromacy



Original Color
12, 14.503, 326.157

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 6.112, 325.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 14.503, 326.157 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(43, 26, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 26, 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(43, 26, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 26, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 14.503, 326.157 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(43, 26, 43) }
```

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

```
.border{ border-color:rgb(43, 26, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 26, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 26, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 26, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 26, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 14.503, 326.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 26, 43) }
```

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

```
.background{ background-color: rgb(43, 26,  
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](#).

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