

Converting Colors

CIELCh(12, 18.998, 327.090)

Have a look what the booklet for
CIELCh(12, 18.998, 327.090)
contains.

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Color

CIELCh(12, 19.252, 326.615)

Conversions

Conversions Part 1

Format	Color
Hex	2E172E
RGB	46, 23, 46
RGB Percent	18%, 9%, 18%
CMY	0.8187, 0.9090, 0.8187
CMYK	0.00, 0.50, 0.00, 0.82
HSL	300°, 33%, 14%
HSV	300°, 50%, 18%
XYZ	1.9451, 1.4064, 2.7768
YIQ	32.4990, 6.3250, 12.0290

Conversions

Conversions Part 2

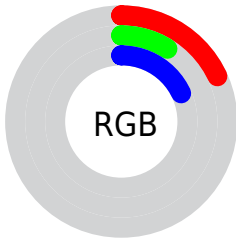
Format	Color
RYB	46, 23, 46
Decimal	3020590
CIELab	12.00, 16.08, -10.59
CIElCh	12, 19.252, 326.615
Yxy	1.4064, 0.3174, 0.2295
Android (android.graphics.Color)	4281210670 (0xFF2E172E)
YUV	32.4990, 6.6560, 11.8404
Hunter-Lab	11.8591, 8.5246, -5.5813

Details

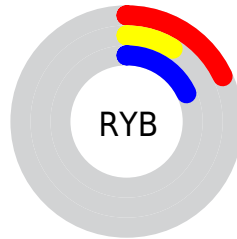
The CIELCh color **12, 19.252, 326.615** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **17, 19.294, 141.338**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 19.101, 326.920**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 22.789, 326.997**, and if you desaturate by 10%, it is **13, 15.510, 326.203**.

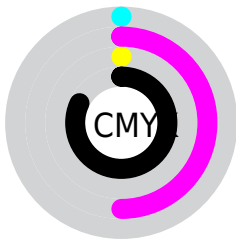
Distribution



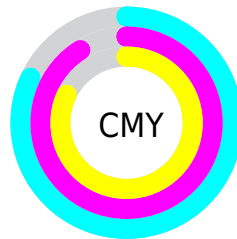
- Red (18%)
- Green (9%)
- Blue (18%)



- Red (18%)
- Yellow (9%)
- Blue (18%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (82%)



- Cyan (82%)
- Magenta (91%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 19.252, 326.615 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, 19.252, 326.615 by changing the saturation by 10% instead.

■ 12, 19.252,
326.615

■ 12, 19.252,
326.615

■ 100, 19.252,
326.615

■ 2, 19.252, 326.615

■ 32, 19.252,
326.615

■ 0, 19.252, 326.615

■ 42, 19.252,
326.615


■ 52, 19.252,
326.615


■ 62, 19.252,
326.615


■ 72, 19.252,
326.615


■ 82, 19.252,


326.615


 92, 19.252,
326.615


 12, 19.252,
326.615

 12, 19.252,
326.615

 11, 22.789,
326.997

 13, 15.510,
326.203

 10, 26.027,
327.340

 15, 11.647,
325.769

 9, 28.871, 327.635

 16, 7.729, 325.322

 8, 31.708, 327.923

 18, 3.808, 324.861

 7, 34.677, 328.186

 19, 0.079, 145.624

 7, 34.740, 328.191

 21, 3.907, 144.024

■ 22, 7.658, 143.583

■ 24, 11.322,
143.165

■ 25, 14.893,
142.764

Harmonies

Complementary

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



12, 19.252, 326.615



17, 19.294, 141.338

Rectangle

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



12, 19.252, 326.615



12, 19.252, 16.615



12, 19.252, 146.615



12, 19.252, 196.615

Sweetspot

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



12, 19.251, 326.615



23, 7.411, 325.145



9, 17.149, 295.683



10, 4.937, 325.153



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, 19.251, 326.615



16, 28.749, 327.134



11, 13.890, 347.727



7, 1.977, 324.418



19, 52.655, 328.241



51, 101.301, 328.242

Inverse Universe

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



12, 19.251, 326.615



16, 28.749, 327.134



17, 13.240, 159.607



7, 1.977, 324.418



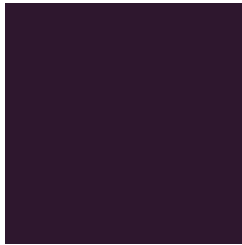
19, 52.655, 328.241



51, 101.301, 328.242

Previews

White Background



This preview shows how the CIELCh color 12, 19.252, 326.615 looks on a white background.

Color Contrast Check

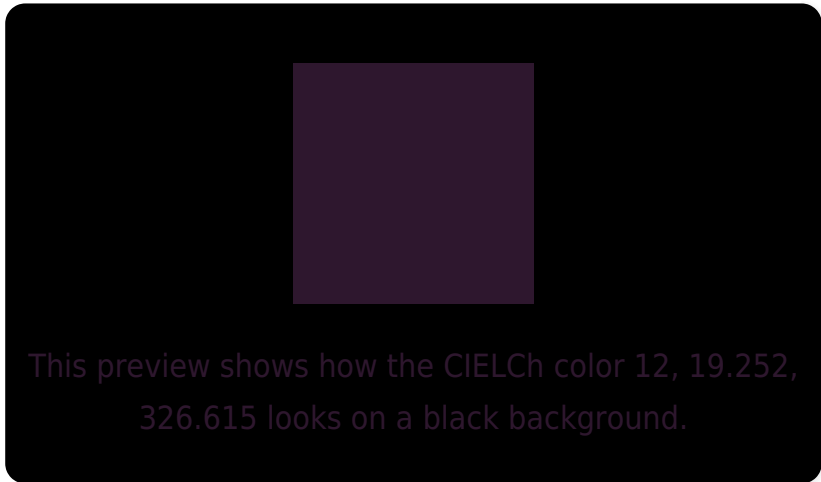
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.252, 326.615

Background



This preview shows how black text looks on a background with the CIELCh color 12, 19.252, 326.615.



This preview shows how white text looks on a background with the CIELCh color 12, 19.252, 326.615.

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, 19.252, 326.615

Protanopia

12, 16.052, 284.314

Deuteranopia

12, 9.486, 282.682



Tritanopia
12, 9.024, 13.055

Trichromacy



Original Color
12, 19.252, 326.615

Protanomaly
12, 16.804, 299.121

Deuteranomaly
12, 11.951, 306.286

Tritanomaly
12, 11.360, 348.484

Monochromacy



Original Color
12, 19.252, 326.615

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 7.837, 325.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 19.252, 326.615 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(46, 23, 46)` looks like.

```
.text, #text, p{  
    color:rgb(46, 23, 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(46, 23, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 23, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 19.252, 326.615 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(46, 23, 46) }
```

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

```
.border{ border-color:rgb(46, 23, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 23, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 23, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 23, 46);  
box-shadow:4px 4px 4px 4px rgb(46, 23, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 19.252, 326.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 23, 46) }
```

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

```
.background{ background-color: rgb(46, 23,  
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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