

Converting Colors

CIELCh(12, 13.123, 322.950)

Have a look what the booklet for
CIELCh(12, 13.123, 322.950)
contains.

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Color

CIELCh(12, 12.636, 324.068)

Conversions

Conversions Part 1

Format	Color
Hex	291B2A
RGB	41, 27, 42
RGB Percent	16%, 11%, 16%
CMY	0.8401, 0.8950, 0.8362
CMYK	0.02, 0.36, 0.00, 0.84
HSL	296°, 22%, 13%
HSV	296°, 36%, 16%
XYZ	1.7063, 1.4064, 2.3508
YIQ	32.8960, 3.5290, 7.6330

Conversions

Conversions Part 2

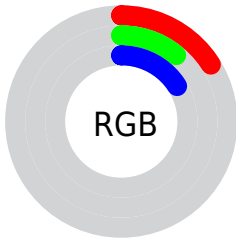
Format	Color
R_{YB}	41, 27, 42
Decimal	2693930
CIE Lab	12.00, 10.23, -7.42
CIE LCh	12, 12.636, 324.068
Yxy	1.4064, 0.3123, 0.2574
Android (android.graphics.Color)	4280884010 (0xFF291B2A)
YUV	32.8960, 4.4883, 7.1072
Hunter-Lab	11.8591, 4.9297, -3.4519

Details

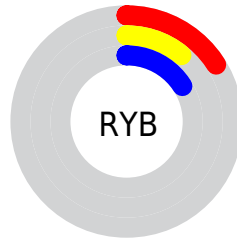
The CIELCh color **12, 12.636, 324.068** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 12.588, 140.847**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 12.741, 323.761**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 16.101, 324.448**, and if you desaturate by 10%, it is **13, 9.110, 323.671**.

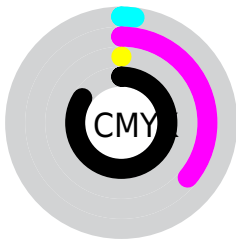
Distribution



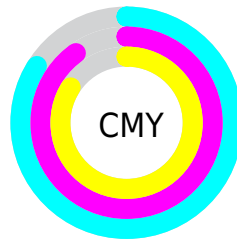
- Red (16%)
- Green (11%)
- Blue (16%)



- Red (16%)
- Yellow (11%)
- Blue (16%)



- Cyan (2%)
- Magenta (36%)
- Yellow (0%)
- Black (84%)



- Cyan (84%)
- Magenta (90%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 12.636, 324.068 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, 12.636, 324.068 by changing the saturation by 10% instead.

■ 12, 12.636,
324.068

■ 12, 12.636,
324.068

■ 100, 12.636,
324.068

■ 2, 12.636, 324.068

■ 32, 12.636,
324.068

■ 0, 12.636, 324.068

■ 42, 12.636,
324.068


■ 52, 12.636,
324.068


■ 62, 12.636,
324.068


■ 72, 12.636,
324.068


■ 82, 12.636,

324.068


 92, 12.636,
324.068

 12, 12.636,
324.068

 12, 12.636,
324.068

 11, 16.101,
324.448

 13, 9.110, 323.671

 10, 19.445,
324.801

 15, 5.570, 323.263

 16, 2.051, 322.834

 8, 22.594, 325.116

 18, 1.423, 142.535

 7, 25.406, 325.353

 19, 4.836, 142.105

 7, 27.893, 325.460

 20, 8.178, 141.722

 6, 30.341, 325.501

 22, 11.442,

■ 5, 31.338, 325.501 141.358

■ 23, 14.627,
141.011

■ 25, 17.732,
140.683

Harmonies

Complementary

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



12, 12.636, 324.068



15, 12.588, 140.847

Rectangle

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



12, 12.636, 324.068



12, 12.636, 14.068



12, 12.636, 144.068



12, 12.636, 194.068

Sweetspot

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



12, 12.635, 324.068



20, 4.751, 323.086



11, 10.082, 290.278



9, 3.233, 323.083



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, 12.635, 324.068



15, 18.622, 324.435



12, 9.684, 341.806



6, 1.558, 322.535



17, 51.772, 325.822



48, 100.803, 325.598

Inverse Universe

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



12, 7.956, 16.613



15, 12.046, 17.722



15, 9.468, 156.927



6, 0.902, 13.976



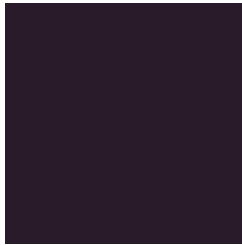
15, 41.654, 30.345



44, 88.146, 37.713

Previews

White Background



This preview shows how the CIELCh color 12, 12.636, 324.068 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, 12.636, 324.068

Background



This preview shows how black text looks on a background with the CIELCh color 12, 12.636, 324.068.



This preview shows how white text looks on a background with the CIELCh color 12, 12.636, 324.068.

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, 12.636, 324.068

Protanopia

12, 10.233, 283.808

Deuteranopia

12, 7.256, 288.830



Tritanopia
12, 5.323, 5.276

Trichromacy



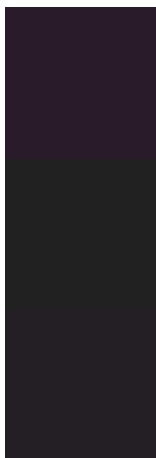
Original Color
12, 12.636, 324.068

Protanomaly
12, 11.030, 300.242

Deuteranomaly
12, 9.064, 307.341

Tritanomaly
12, 7.792, 341.341

Monochromacy



Original Color
12, 12.636, 324.068

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 4.375, 325.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 12.636, 324.068 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(41, 27, 42)` looks like.

```
.text, #text, p{  
    color:rgb(41, 27, 42)  
}
```

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(41, 27, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 27, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 12.636, 324.068 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(41, 27, 42) }
```

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

```
.border{ border-color:rgb(41, 27, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 27, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 27, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 27, 42);  
box-shadow:4px 4px 4px 4px rgb(41, 27, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 12.636, 324.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 27, 42) }
```

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

```
.background{ background-color: rgb(41, 27,  
42) }
```

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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