

Converting Colors

CIELCh(12, 34.580, 324.403)

Have a look what the booklet for
CIELCh(12, 34.580, 324.403)
contains.

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Color

CIELCh(12, 34.643, 324.299)

Conversions

Conversions Part 1

Format	Color
Hex	370D3C
RGB	55, 13, 60
RGB Percent	22%, 5%, 24%
CMY	0.7855, 0.9503, 0.7659
CMYK	0.08, 0.79, 0.00, 0.77
HSL	294°, 65%, 14%
HSV	294°, 79%, 23%
XYZ	2.5063, 1.4064, 4.3731
YIQ	30.9160, 9.9450, 23.5210

Conversions

Conversions Part 2

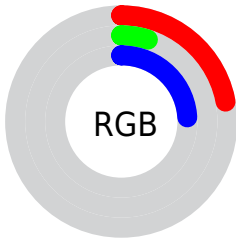
Format	Color
R_{YB}	55, 13, 60
Decimal	3607868
CIE _{Lab}	12.00, 28.13, -20.22
CIE _{LCh}	12, 34.643, 324.299
Yxy	1.4064, 0.3025, 0.1697
Android (android.graphics.Color)	4281797948 (0xFF370D3C)
YUV	30.9160, 14.3384, 21.1217
Hunter-Lab	11.8591, 16.9709, -13.5622

Details

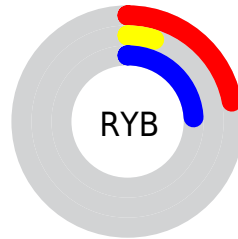
The CIELCh color **12, 34.643, 324.299** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **21, 34.671, 136.641**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 34.883, 324.280**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **11, 37.630, 324.422**, and if you desaturate by 10%, it is **13, 31.160, 324.105**.

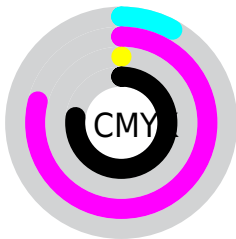
Distribution



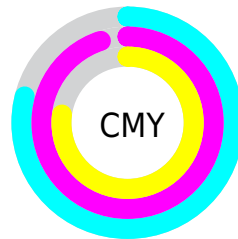
- Red (22%)
- Green (5%)
- Blue (24%)



- Red (22%)
- Yellow (5%)
- Blue (24%)



- Cyan (8%)
- Magenta (79%)
- Yellow (0%)
- Black (77%)



- Cyan (79%)
- Magenta (95%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 34.643, 324.299 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, 34.643, 324.299 by changing the saturation by 10% instead.

 12, 34.643,
324.299


 12, 34.643,
324.299

 100, 34.643,
324.299


 2, 34.643, 324.299


 32, 34.643,
324.299

 0, 34.643, 324.299

 42, 34.643,
324.299

 52, 34.643,
324.299


 62, 34.643,
324.299


 72, 34.643,
324.299


 82, 34.643,


324.299


 92, 34.643,
324.299


 12, 34.643,
324.299


 12, 34.643,
324.299

 11, 37.630,
324.422


 13, 31.160,
324.105


 10, 40.851,
324.600

 15, 27.171,
323.832

 10, 41.278,
324.627

 16, 22.823,
323.498

 18, 18.246,
323.122

 20, 13.548,
322.718

■ 22, 8.810, 322.299

■ 23, 4.090, 321.868

■ 25, 0.571, 141.653

■ 27, 5.147, 141.096

Harmonies

Complementary

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



12, 34.643, 324.299



21, 34.671, 136.641

Rectangle

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



12, 34.643, 324.299



12, 34.643, 14.299



12, 34.643, 144.299



12, 34.643, 194.299

Sweetspot

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



12, 34.642, 324.299



27, 13.895, 322.564



8, 30.996, 297.267



11, 9.372, 322.612



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



12, 34.642, 324.299



15, 47.092, 324.433



12, 27.203, 344.747



10, 2.646, 321.855



19, 56.215, 324.363



49, 104.807, 324.061

Inverse Universe

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



11, 25.094, 21.472



14, 36.434, 26.872



22, 27.126, 150.138



10, 1.589, 11.129



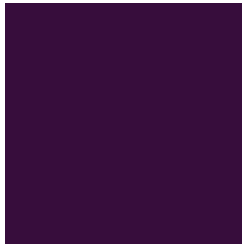
18, 45.266, 30.542



46, 89.483, 36.052

Previews

White Background



This preview shows how the CIELCh color 12, 34.643, 324.299 looks on a white background.

Color Contrast Check

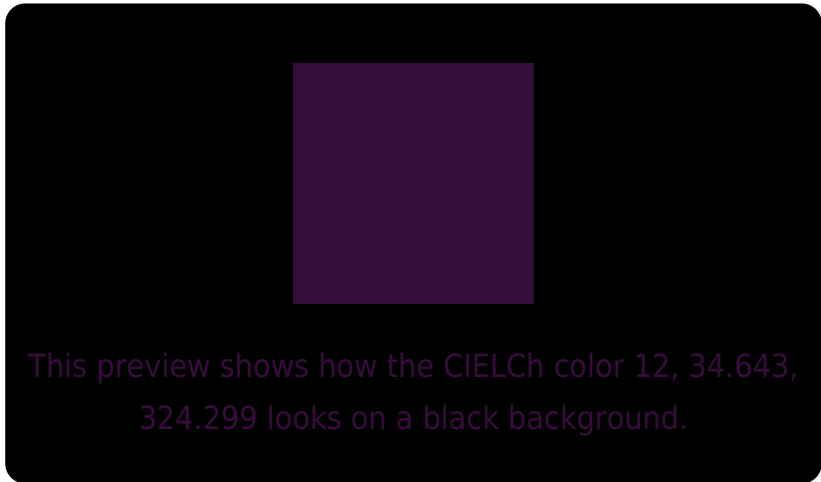
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.643, 324.299

Background



This preview shows how black text looks on a background with the CIELCh color 12, 34.643, 324.299.



This preview shows how white text looks on a background with the CIELCh color 12, 34.643, 324.299.

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, 34.643, 324.299

Protanopia

12, 26.399, 281.202

Deuteranopia

13, 17.107, 275.607



Tritanopia
13, 13.414, 20.512

Trichromacy



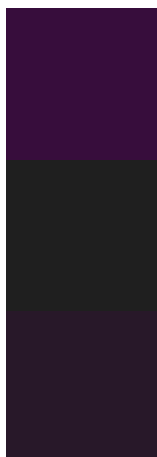
Original Color
12, 34.643, 324.299

Protanomaly
11, 29.104, 295.658

Deuteranomaly
12, 23.341, 301.177

Tritanomaly
12, 19.026, 344.298

Monochromacy



Original Color
12, 34.643, 324.299

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 14.381, 324.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 34.643, 324.299 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(55, 13, 60)` looks like.

```
.text, #text, p{  
    color:rgb(55, 13, 60)  
}
```

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(55, 13, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 13, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 34.643, 324.299 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(55, 13, 60) }
```

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

```
.border{ border-color:rgb(55, 13, 60) }
```

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

Here you see how a box with a 4 pixel rgb(55, 13, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 13, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 13, 60);  
box-shadow:4px 4px 4px 4px rgb(55, 13, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 34.643, 324.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 13, 60) }
```

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

```
.background{ background-color: rgb(55, 13,  
60) }
```

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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