

Converting Colors

CIELCh(12, 34.432, 320.896)

Have a look what the booklet for
CIELCh(12, 34.432, 320.896)
contains.

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Color

CIELCh(12, 34.483, 320.913)

Conversions

Conversions Part 1

Format	Color
Hex	340F3E
RGB	52, 15, 62
RGB Percent	20%, 6%, 24%
CMY	0.7969, 0.9420, 0.7576
CMYK	0.16, 0.76, 0.00, 0.76
HSL	287°, 61%, 15%
HSV	287°, 76%, 24%
XYZ	2.4378, 1.4064, 4.6718
YIQ	31.4210, 6.9650, 22.4610

Conversions

Conversions Part 2

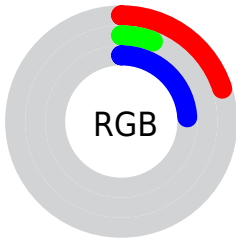
Format	Color
R_{YB}	52, 15, 62
Decimal	3411774
CIE _{Lab}	12.00, 26.77, -21.74
CIE _{LCh}	12, 34.483, 320.913
Yxy	1.4064, 0.2863, 0.1651
Android (android.graphics.Color)	4281601854 (0xFF340F3E)
YUV	31.4210, 15.0754, 18.0478
Hunter-Lab	11.8591, 15.9407, -15.0558

Details

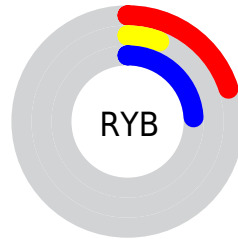
The CIELCh color **12, 34.483, 320.913** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 33.754, 134.593**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 34.680, 320.674**, and **1, 7.635, 288.097** is the 20% darker color. If you saturate the color by 10%, you get **11, 37.786, 320.969**, and if you desaturate by 10%, it is **13, 30.614, 320.743**.

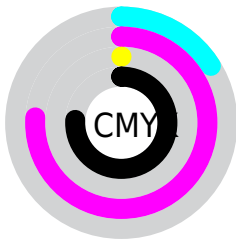
Distribution



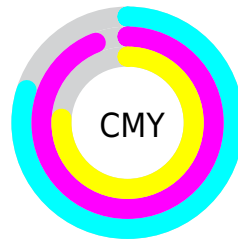
- Red (20%)
- Green (6%)
- Blue (24%)



- Red (20%)
- Yellow (6%)
- Blue (24%)



- Cyan (16%)
- Magenta (76%)
- Yellow (0%)
- Black (76%)





- Cyan (80%)
- Magenta (94%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 34.483, 320.913 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, 34.483, 320.913 by changing the saturation by 10% instead.

 12, 34.483,
320.913


 12, 34.483,
320.913


 100, 34.483,
320.913


 2, 34.483, 320.913


 32, 34.483,
320.913

 0, 34.483, 320.913

 42, 34.483,
320.913

 52, 34.483,
320.913


 62, 34.483,
320.913


 72, 34.483,
320.913


 82, 34.483,


320.913

 92, 34.483,
320.913

 12, 34.483,
320.913

 12, 34.483,
320.913


 11, 37.786,
320.969

 13, 30.614,
320.743


 9, 41.193, 321.087

 15, 26.324,
320.483

 9, 42.680, 321.176

 17, 21.762,
320.161

 19, 17.051,
319.800

 21, 12.282,
319.418

■ 23, 7.522, 319.026

■ 25, 2.814, 318.623

■ 27, 1.813, 138.331

■ 29, 6.343, 137.940

Harmonies

Complementary

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



12, 34.483, 320.913



23, 33.754, 134.593

Rectangle

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



12, 34.483, 320.913



12, 34.483, 10.913



12, 34.483, 140.913



12, 34.483, 190.913

Sweetspot

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



12, 34.482, 320.913



29, 13.657, 319.341



10, 27.010, 292.141



12, 9.298, 319.399



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



12, 34.482, 320.913



15, 48.377, 320.888



13, 28.985, 339.003



10, 2.565, 318.722



17, 56.898, 320.727



45, 106.253, 320.169

Inverse Universe

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



12, 24.463, 13.579



15, 35.660, 20.084



22, 29.404, 146.594



10, 1.639, 2.867



18, 43.191, 24.360



47, 83.464, 29.193

Previews

White Background



This preview shows how the CIE LCh color 12, 34.483, 320.913 looks on a white background.

Color Contrast Check

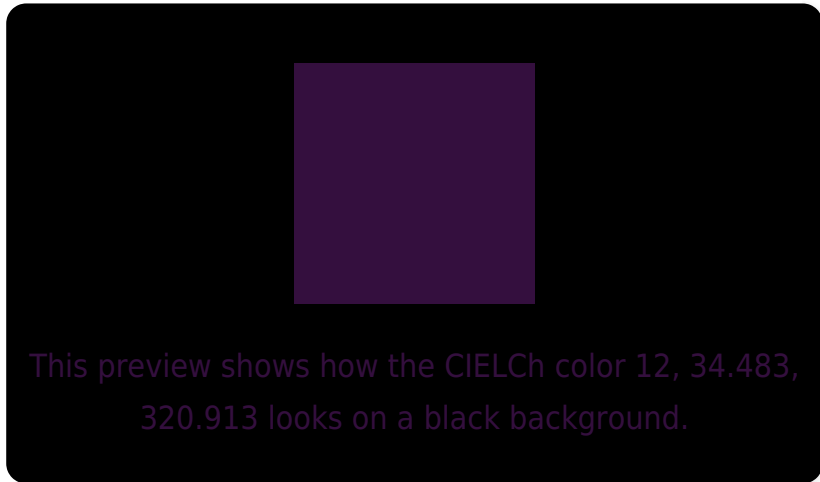
Large Text (above 18pt) WCAG AA ✓ Pass

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

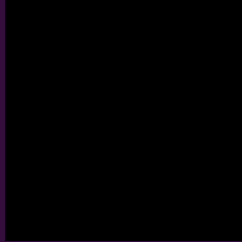
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 34.483, 320.913

Background



This preview shows how black text looks on a background with the CIELCh color 12, 34.483, 320.913.



This preview shows how white text looks on a background with the CIELCh color 12, 34.483, 320.913.

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, 34.483, 320.913

Protanopia

12, 26.399, 281.202

Deuteranopia

13, 18.830, 273.251



Tritanopia
12, 10.614, 14.970

Trichromacy



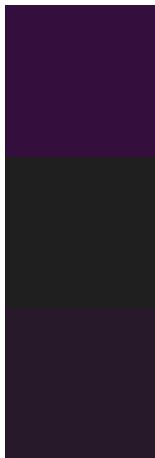
Original Color
12, 34.483, 320.913

Protanomaly
11, 29.033, 294.495

Deuteranomaly
11, 23.960, 295.456

Tritanomaly
12, 17.448, 337.988

Monochromacy



Original Color
12, 34.483, 320.913

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 13.937, 320.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 34.483, 320.913 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(52, 15, 62)` looks like.

```
.text, #text, p{  
    color:rgb(52, 15, 62)  
}
```

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(52, 15, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 15, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 34.483, 320.913 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(52, 15, 62) }
```

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

```
.border{ border-color:rgb(52, 15, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 15, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 15, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 15, 62);  
box-shadow:4px 4px 4px 4px rgb(52, 15, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 34.483, 320.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 15, 62) }
```

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

```
.background{ background-color: rgb(52, 15,  
62) }
```

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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