

Converting Colors

CIELCh(16, 32.913, 323.878)

Have a look what the booklet for
CIELCh(16, 32.913, 323.878)
contains.

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Color

CIELCh(16, 32.860, 323.823)

Conversions

Conversions Part 1

Format	Color
Hex	3F1844
RGB	63, 24, 68
RGB Percent	25%, 9%, 27%
CMY	0.7543, 0.9071, 0.7346
CMYK	0.07, 0.65, 0.00, 0.73
HSL	293°, 48%, 18%
HSV	293°, 65%, 27%
XYZ	3.3820, 2.0993, 5.6435
YIQ	40.6770, 9.1200, 21.9520

Conversions

Conversions Part 2

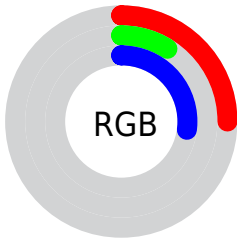
Format	Color
RYB	63, 24, 68
Decimal	4134980
CIELab	16.00, 26.52, -19.40
CIElCh	16, 32.860, 323.823
Yxy	2.0993, 0.3040, 0.1887
Android (android.graphics.Color)	4282325060 (0xFF3F1844)
YUV	40.6770, 13.4702, 19.5773
Hunter-Lab	14.4890, 16.3095, -12.9512

Details

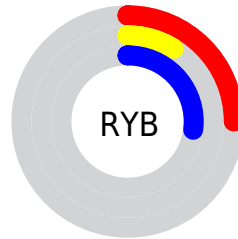
The CIELCh color **16, 32.860, 323.823** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 32.689, 137.341**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 32.455, 323.899**, and **1, 13.313, 303.452** is the 20% darker color. If you saturate the color by 10%, you get **15, 36.872, 324.036**, and if you desaturate by 10%, it is **18, 28.314, 323.530**.

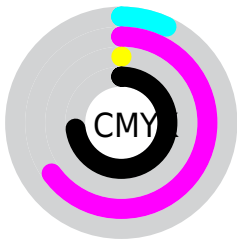
Distribution



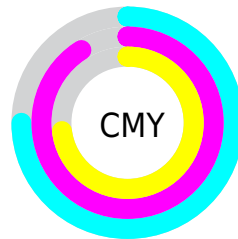
- Red (25%)
- Green (9%)
- Blue (27%)



- Red (25%)
- Yellow (9%)
- Blue (27%)



- Cyan (7%)
- Magenta (65%)
- Yellow (0%)
- Black (73%)





- Cyan (75%)
- Magenta (91%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 32.860, 323.823 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 16, 32.860, 323.823 by changing the saturation by 10% instead.

 16, 32.860,
323.823

 16, 32.860,
323.823


 100, 32.860,
323.823


 6, 32.860, 323.823


 36, 32.860,
323.823

 0, 32.860, 323.823

 46, 32.860,
323.823


 56, 32.860,
323.823


 66, 32.860,
323.823


 76, 32.860,
323.823


 86, 32.860,


323.823


 96, 32.860,
323.823


 16, 32.860,
323.823


 16, 32.860,
323.823


 15, 36.872,
324.036


 18, 28.314,
323.530


 13, 40.178,
324.146

 19, 23.406,
323.179

 12, 43.209,
324.231

 21, 18.279,
322.788

 12, 44.848,
324.301

 23, 13.047,
322.372

 25, 7.795, 321.943

■ 28, 2.583, 321.492

■ 30, 2.548, 141.159

■ 32, 7.575, 140.729

■ 34, 12.481,
140.339

Harmonies

Complementary

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



16, 32.860, 323.823



25, 32.689, 137.341

Rectangle

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



16, 32.860, 323.823



16, 32.860, 13.823



16, 32.860, 143.823



16, 32.860, 193.823

Sweetspot

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



16, 32.859, 323.823



32, 12.804, 322.192



12, 27.897, 294.606



14, 8.601, 322.239



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 32.859, 323.823



19, 46.073, 324.116



16, 25.965, 343.245



12, 2.829, 321.656



19, 57.310, 324.092



49, 105.793, 323.781

Inverse Universe

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



15, 22.966, 18.591



18, 34.005, 23.120



25, 25.510, 151.841



12, 1.706, 10.565



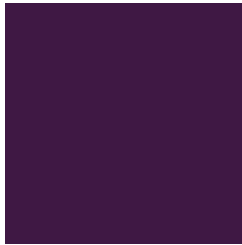
18, 46.161, 30.607



47, 89.892, 35.707

Previews

White Background



This preview shows how the CIE LCh color 16, 32.860, 323.823 looks on a white background.

Color Contrast Check

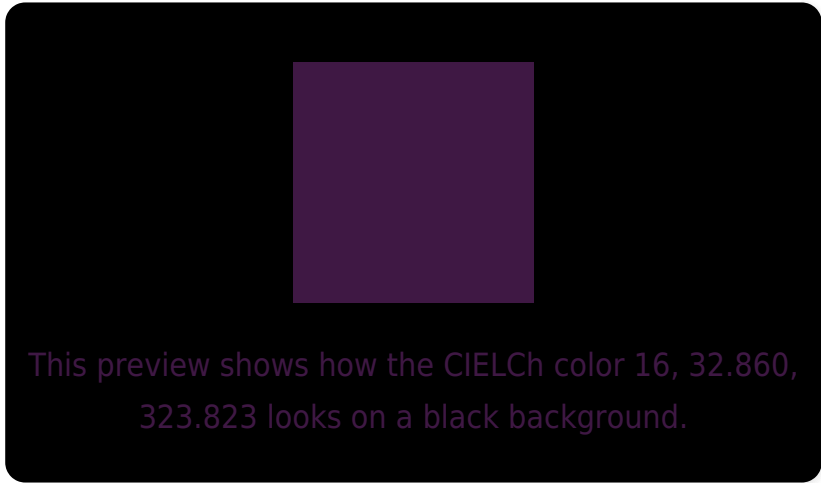
Large Text (above 18pt) WCAG AA ✓ Pass

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

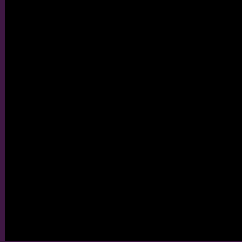
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 32.860, 323.823

Background



This preview shows how black text looks on a background with the CIELCh color 16, 32.860, 323.823.



This preview shows how white text looks on a background with the CIELCh color 16, 32.860, 323.823.

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

16, 32.860, 323.823

Protanopia

16, 30.975, 284.744

Deuteranopia

17, 17.118, 278.891



Tritanopia
16, 13.409, 14.286

Trichromacy



Original Color
16, 32.860, 323.823

Protanomaly
15, 30.954, 295.225

Deuteranomaly
16, 21.925, 301.510

Tritanomaly
16, 18.394, 342.445

Monochromacy



Original Color
16, 32.860, 323.823

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 12.928, 322.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 32.860, 323.823 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(63, 24, 68)` looks like.

```
.text, #text, p{  
    color:rgb(63, 24, 68)  
}
```

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(63, 24, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 24, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 32.860, 323.823 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(63, 24, 68) }
```

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

```
.border{ border-color:rgb(63, 24, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 24, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 24, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 24, 68);  
box-shadow:4px 4px 4px 4px rgb(63, 24, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 32.860, 323.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 24, 68) }
```

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

```
.background{ background-color: rgb(63, 24,  
68) }
```

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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