

Converting Colors

CIELCh(10, 57.009, 312.023)

Have a look what the booklet for
CIELCh(10, 57.009, 312.023)
contains.

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Color

CIELCh(10, 57.006, 311.885)

Conversions

Conversions Part 1

Format	Color
Hex	280057
RGB	40, 0, 87
RGB Percent	16%, 0%, 34%
CMY	0.8442, 1.0000, 0.6598
CMYK	0.54, 1.00, 0.00, 0.66
HSL	267°, 100%, 17%
HSV	267°, 100%, 34%
XYZ	2.5729, 1.1260, 9.0455
YIQ	21.8780, -4.0870, 35.5370

Conversions

Conversions Part 2

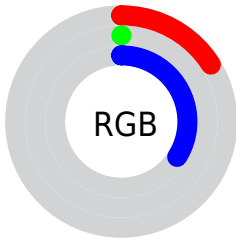
Format	Color
R_{YB}	40, 0, 87
Decimal	2621527
CIE _{Lab}	10.00, 38.06, -42.44
CIE _{LCh}	10, 57.006, 311.885
Yxy	1.1260, 0.2019, 0.0884
Android (android.graphics.Color)	4280811607 (0xFF280057)
YUV	21.8780, 32.1051, 15.8930
Hunter-Lab	10.6114, 24.7095, -43.1126

Details

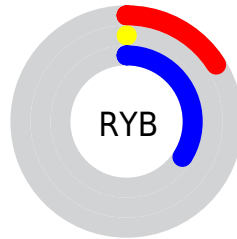
The CIELCh color **10, 57.006, 311.885** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **33, 48.506, 125.311**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 56.812, 311.704**, and **2, 23.618, 291.153** is the 20% darker color. If you saturate the color by 10%, you get **10, 56.912, 311.852**, and if you desaturate by 10%, it is **12, 52.095, 311.533**.

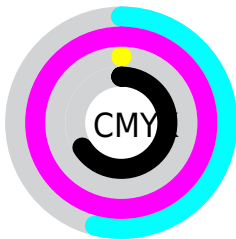
Distribution



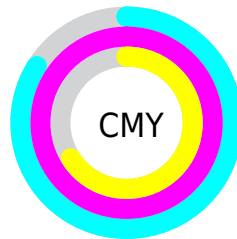
- Red (16%)
- Green (0%)
- Blue (34%)



- Red (16%)
- Yellow (0%)
- Blue (34%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)



- Cyan (84%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 57.006, 311.885 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 10, 57.006, 311.885 by changing the saturation by 10% instead.

■ 10, 57.006,
311.885

■ 10, 57.006,
311.885

■ 100, 57.006,
311.885

■ 0, 57.006, 311.885

■ 30, 57.006,
311.885

■ 40, 57.006,
311.885


■ 50, 57.006,
311.885


■ 60, 57.006,
311.885


■ 70, 57.006,
311.885


■ 80, 57.006,


311.885


 90, 57.006,
311.885


 10, 57.006,
311.885


 10, 57.006,
311.885


 10, 56.912,
311.852

 12, 52.095,
311.533

 14, 47.473,
311.412

 17, 42.037,
311.077

 19, 36.114,
310.610

 22, 29.969,
310.078

■ 25, 23.772,
309.529

■ 28, 17.631,
308.991

■ 31, 11.605,
308.481

■ 34, 5.724, 308.006

Harmonies

Complementary

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



10, 57.006, 311.885



33, 48.506, 125.311

Rectangle

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



10, 57.006, 311.885



10, 57.006, 1.885



10, 57.006, 131.885



10, 57.006, 181.885

Sweetspot

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



10, 56.912, 311.852



36, 21.825, 309.043



19, 27.791, 274.602



16, 14.771, 309.175



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



10, 56.912, 311.852



15, 68.384, 311.488



18, 52.811, 326.415



16, 3.196, 307.950



14, 66.126, 311.547



36, 118.420, 310.815

Inverse Universe

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



17, 39.445, 355.011



23, 46.994, 356.247



31, 54.235, 135.520



16, 2.670, 342.046



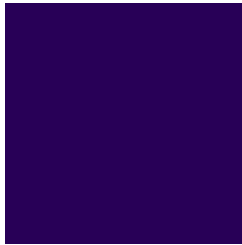
22, 45.505, 356.040



51, 80.164, 358.710

Previews

White Background



This preview shows how the CIE LCh color 10, 57.006, 311.885 looks on a white background.

Color Contrast Check

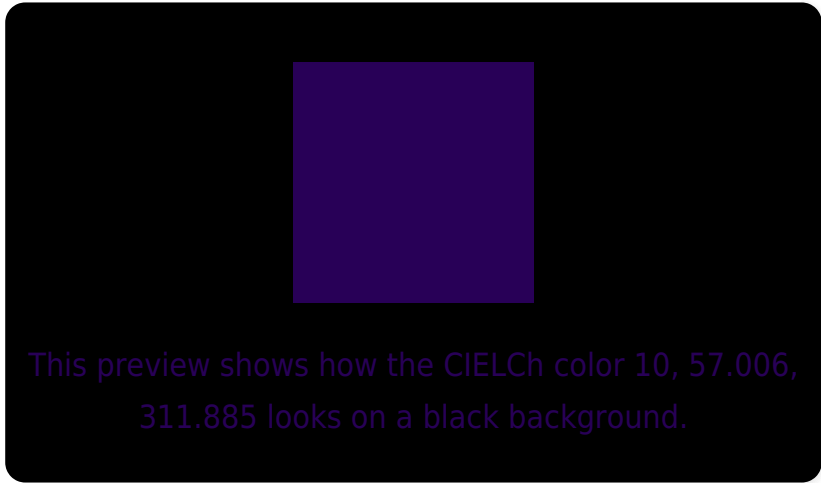
Large Text (above 18pt) WCAG AA ✓ Pass

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

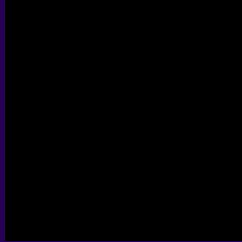
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 57.006, 311.885

Background



This preview shows how black text looks on a background with the CIELCh color 10, 57.006, 311.885.



This preview shows how white text looks on a background with the CIELCh color 10, 57.006, 311.885.

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

10, 57.006, 311.885

Protanopia

12, 25.143, 280.179

Deuteranopia

12, 18.318, 265.390



Tritanopia
12, 5.115, 214.813

Trichromacy



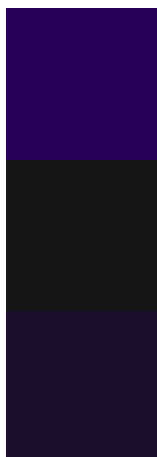
Original Color
10, 57.006, 311.885

Protanomaly
10, 38.564, 299.008

Deuteranomaly
9, 33.761, 297.134

Tritanomaly
10, 23.742, 303.289

Monochromacy



Original Color
10, 57.006, 311.885

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 24.369, 309.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 57.006, 311.885 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(40, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(40, 0, 87)  
}
```

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(40, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 57.006, 311.885 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(40, 0, 87) }
```

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

```
.border{ border-color:rgb(40, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 0, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(40, 0, 87); box-shadow:4px  
4px 4px 4px rgb(40, 0, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 57.006, 311.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 0, 87) }
```

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

```
.background{ background-color: rgb(40, 0,  
87) }
```

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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