

Converting Colors

CIELCh(7, 91.069, 324.553)

Have a look what the booklet for
CIELCh(7, 91.069, 324.553) contains.

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Color

CIELCh(16, 57.502, 319.433)

Conversions

Conversions Part 1

Format	Color
Hex	46005E
RGB	70, 0, 94
RGB Percent	27%, 0%, 37%
CMY	0.7249, 1.0000, 0.6307
CMYK	0.26, 1.00, 0.00, 0.63
HSL	285°, 100%, 18%
HSV	285°, 100%, 37%
XYZ	4.5547, 2.0993, 10.7958
YIQ	31.6460, 11.5460, 44.0740

Conversions

Conversions Part 2

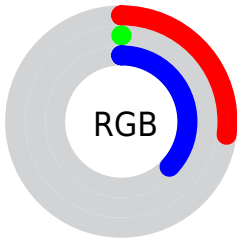
Format	Color
R_{YB}	70, 0, 94
Decimal	4587614
CIE _{Lab}	16.00, 43.68, -37.40
CIE _{LCh}	16, 57.502, 319.433
Yxy	2.0993, 0.2610, 0.1203
Android (android.graphics.Color)	4282777694 (0xFF46005E)
YUV	31.6460, 30.7405, 33.6365
Hunter-Lab	14.4890, 30.7573, -34.0348

Details

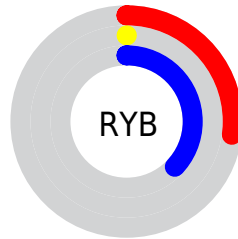
The CIELCh color **16, 57.502, 319.433** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 55.647, 133.105**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 57.075, 319.381**, and **3, 31.836, 307.745** is the 20% darker color. If you saturate the color by 10%, you get **16, 57.173, 319.363**, and if you desaturate by 10%, it is **18, 53.731, 319.506**.

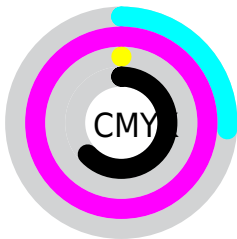
Distribution



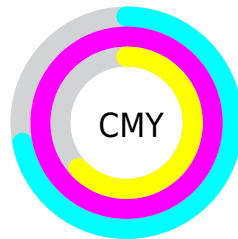
- Red (27%)
- Green (0%)
- Blue (37%)



- Red (27%)
- Yellow (0%)
- Blue (37%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (63%)





- Cyan (72%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 57.502, 319.433 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, 57.502, 319.433 by changing the saturation by 10% instead.

 16, 57.502,
319.433


 16, 57.502,
319.433

 100, 57.502,
319.433


 6, 57.502, 319.433


 36, 57.502,
319.433

 0, 57.502, 319.433

 46, 57.502,
319.433

 56, 57.502,
319.433


 66, 57.502,
319.433

 76, 57.502,
319.433


 86, 57.502,


319.433

 96, 57.502,
319.433


 16, 57.502,
319.433


 16, 57.502,
319.433


 16, 57.173,
319.363

 18, 53.731,
319.506

 19, 49.973,
319.637

 21, 45.111,
319.581

 23, 39.423,
319.384

 26, 33.185,
319.088

■ 28, 26.628,
318.729

■ 31, 19.927,
318.335

■ 34, 13.207,
317.926

■ 37, 6.549, 317.513

Harmonies

Complementary

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



16, 57.502, 319.433



34, 55.647, 133.105

Rectangle

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



16, 57.502, 319.433



16, 57.502, 9.433



16, 57.502, 139.433



16, 57.502, 189.433

Sweetspot

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



16, 57.173, 319.363



40, 24.736, 318.372



13, 48.696, 297.681



18, 16.733, 318.481



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



16, 57.173, 319.363



22, 68.905, 319.115



19, 47.109, 339.305



17, 3.589, 317.463



20, 63.673, 319.213



46, 112.527, 318.685

Inverse Universe

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



18, 42.264, 20.887



25, 51.424, 22.808



34, 51.806, 140.614



17, 2.364, 359.841



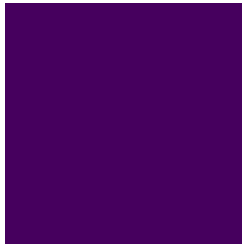
21, 47.334, 22.055



50, 85.596, 26.026

Previews

White Background



This preview shows how the CIE LCh color 16, 57.502, 319.433 looks on a white background.

Color Contrast Check

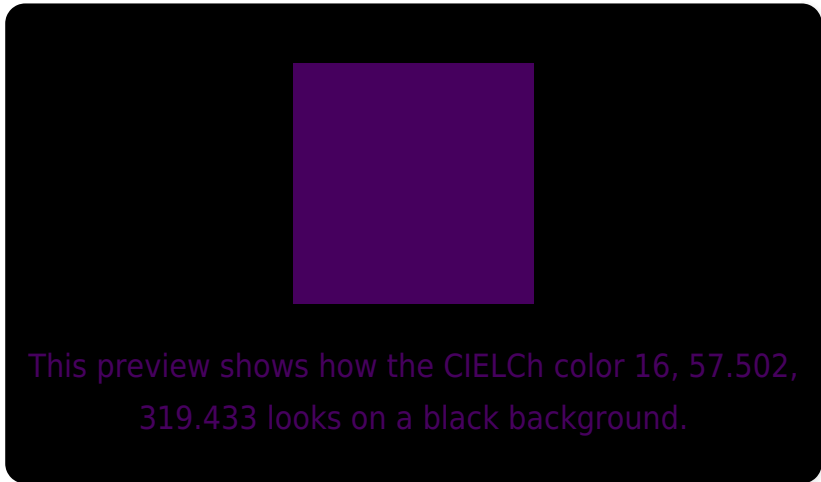
Large Text (above 18pt) WCAG AA ✓ Pass

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

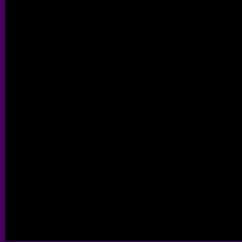
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 57.502, 319.433

Background



This preview shows how black text looks on a background with the CIELCh color 16, 57.502, 319.433.



This preview shows how white text looks on a background with the CIELCh color 16, 57.502, 319.433.

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, 57.100, 319.359

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 24.278, 270.340



Tritanopia
18, 12.699, 13.457

Trichromacy



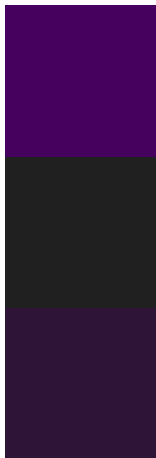
Original Color
16, 57.100, 319.359

Protanomaly
14, 45.307, 300.559

Deuteranomaly
14, 38.681, 298.550

Tritanomaly
16, 29.043, 331.247

Monochromacy



Original Color
16, 57.100, 319.359

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 26.774, 319.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 57.502, 319.433 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(70, 0, 94)` looks like.

```
.text, #text, p{  
    color:rgb(70, 0, 94)  
}
```

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(70, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 0, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 57.502, 319.433 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(70, 0, 94) }
```

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

```
.border{ border-color:rgb(70, 0, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 0, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 0, 94); -webkit-box-shadow:4px  
4px 4px 4px rgb(70, 0, 94); box-shadow:4px  
4px 4px 4px rgb(70, 0, 94) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 57.502, 319.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 0, 94) }
```

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

```
.background{ background-color: rgb(70, 0,  
94) }
```

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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