

Converting Colors

CIELCh(18, 37.377, 319.060)

Have a look what the booklet for
CIELCh(18, 37.377, 319.060)
contains.

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Color

CIELCh(18, 37.707, 319.213)

Conversions

Conversions Part 1

Format	Color
Hex	421B50
RGB	66, 27, 80
RGB Percent	26%, 11%, 31%
CMY	0.7413, 0.8942, 0.6864
CMYK	0.18, 0.66, 0.00, 0.69
HSL	284°, 50%, 21%
HSV	284°, 66%, 31%
XYZ	4.0822, 2.5180, 7.8535
YIQ	44.7030, 6.2310, 24.7510

Conversions

Conversions Part 2

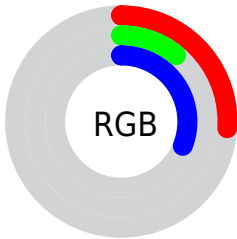
Format	Color
R_{YB}	66, 27, 80
Decimal	4332368
CIE _{Lab}	18.00, 28.55, -24.63
CIE _{LCh}	18, 37.707, 319.213
Yxy	2.5180, 0.2824, 0.1742
Android (android.graphics.Color)	4282522448 (0xFF421B50)
YUV	44.7030, 17.4014, 18.6775
Hunter-Lab	15.8683, 18.1506, -18.2359

Details

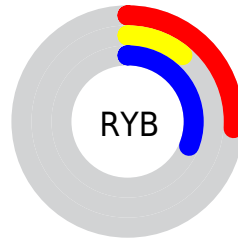
The CIELCh color **18, 37.707, 319.213** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30, 36.487, 133.644**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 38.080, 319.228**, and **3, 22.409, 310.708** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.389, 319.347**, and if you desaturate by 10%, it is **20, 32.452, 318.965**.

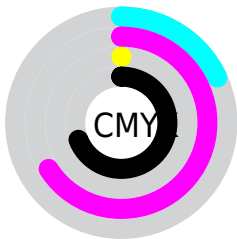
Distribution



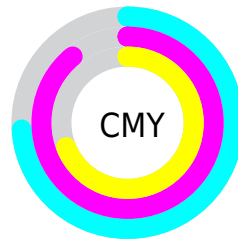
- Red (26%)
- Green (11%)
- Blue (31%)



- Red (26%)
- Yellow (11%)
- Blue (31%)



- Cyan (18%)
- Magenta (66%)
- Yellow (0%)
- Black (69%)





- Cyan (74%)
- Magenta (89%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.707, 319.213 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 18, 37.707, 319.213 by changing the saturation by 10% instead.

 18, 37.707,
319.213


 18, 37.707,
319.213


 100, 37.707,
319.213


 8, 37.707, 319.213


 38, 37.707,
319.213

 0, 37.707, 319.213

 48, 37.707,
319.213


 58, 37.707,
319.213


 68, 37.707,
319.213


 78, 37.707,
319.213


 88, 37.707,


319.213


 98, 37.707,
319.213


 18, 37.707,
319.213


 18, 37.707,
319.213


 16, 42.389,
319.347


 20, 32.452,
318.965


 15, 46.259,
319.324

 22, 26.841,
318.641

 13, 49.702,
319.250

 25, 21.041,
318.270

 13, 51.107,
319.265

 27, 15.178,
317.877

 30, 9.335, 317.476

■ 32, 3.568, 317.068

■ 35, 2.088, 136.767

■ 38, 7.613, 136.377

■ 40, 12.999,
136.038

Harmonies

Complementary

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



18, 37.707, 319.213



30, 36.487, 133.644

Rectangle

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



18, 37.707, 319.213



18, 37.707, 9.213



18, 37.707, 139.213



18, 37.707, 189.213

Sweetspot

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



18, 37.706, 319.213



38, 14.367, 317.655



17, 26.970, 287.581



18, 9.893, 317.720



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 37.706, 319.213



21, 54.267, 319.352



20, 33.138, 336.062



15, 3.238, 317.172



18, 61.637, 318.970



45, 110.865, 318.394

Inverse Universe

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



19, 26.549, 7.798



23, 38.802, 12.721



30, 33.477, 145.780



15, 2.147, 359.164



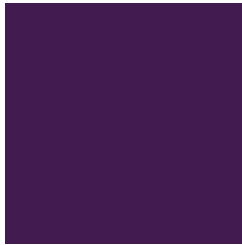
20, 45.487, 20.934



49, 83.702, 25.184

Previews

White Background



This preview shows how the CIE LCh color 18, 37.707, 319.213 looks on a white background.

Color Contrast Check

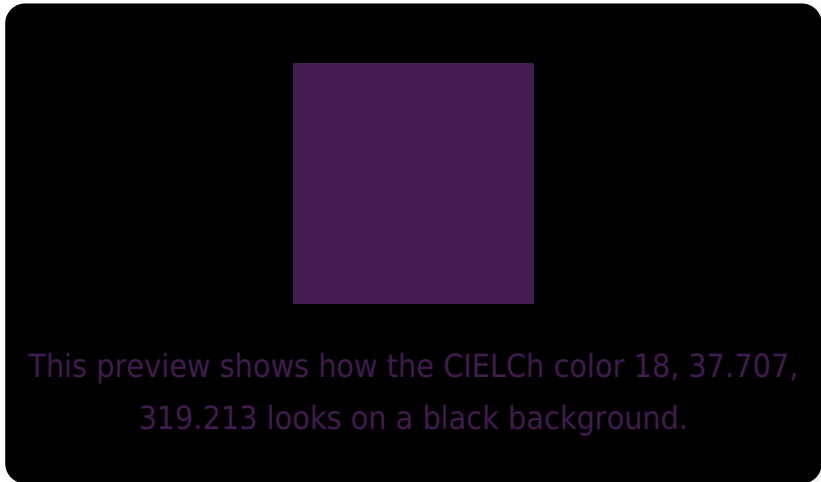
Large Text (above 18pt) WCAG AA ✓ Pass

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

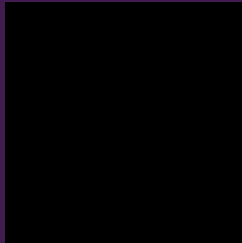
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 37.707, 319.213

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.707, 319.213.



This preview shows how white text looks on a background with the CIELCh color 18, 37.707, 319.213.

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

18, 37.707, 319.213

Protanopia

18, 34.100, 283.797

Deuteranopia

18, 22.634, 277.668



Tritanopia
18, 10.608, 10.975

Trichromacy



Original Color
18, 37.707, 319.213

Protanomaly
17, 35.349, 293.069

Deuteranomaly
17, 27.712, 296.747

Tritanomaly
18, 18.615, 333.856

Monochromacy



Original Color
18, 37.707, 319.213

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 15.332, 318.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.707, 319.213 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(66, 27, 80)` looks like.

```
.text, #text, p{  
    color:rgb(66, 27, 80)  
}
```

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(66, 27, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 27, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.707, 319.213 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(66, 27, 80) }
```

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

```
.border{ border-color:rgb(66, 27, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 27, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 27, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 27, 80);  
box-shadow:4px 4px 4px 4px rgb(66, 27, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.707, 319.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 27, 80) }
```

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

```
.background{ background-color: rgb(66, 27,  
80) }
```

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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