

Converting Colors

CIELCh(19, 65.294, 317.554)

Have a look what the booklet for
CIELCh(19, 65.294, 317.554)
contains.

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Color

CIELCh(19, 65.268, 317.402)

Conversions

Conversions Part 1

Format	Color
Hex	4D0070
RGB	77, 0, 112
RGB Percent	30%, 0%, 44%
CMY	0.6981, 1.0000, 0.5608
CMYK	0.31, 1.00, 0.00, 0.56
HSL	281°, 100%, 22%
HSV	281°, 100%, 44%
XYZ	5.9838, 2.7468, 15.5413
YIQ	35.7910, 9.9400, 51.1560

Conversions

Conversions Part 2

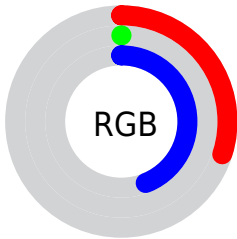
Format	Color
R_{YB}	77, 0, 112
Decimal	5046384
CIE _{Lab}	19.00, 48.05, -44.18
CIE _{LCh}	19, 65.268, 317.402
Yxy	2.7468, 0.2465, 0.1132
Android (android.graphics.Color)	4283236464 (0xFF4D0070)
YUV	35.7910, 37.5710, 36.1403
Hunter-Lab	16.5735, 35.4434, -43.9958

Details

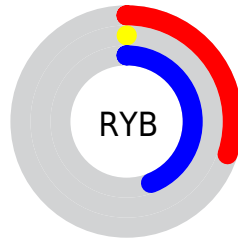
The CIELCh color **19, 65.268, 317.402** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 62.263, 132.307**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 65.673, 317.245**, and **6, 44.425, 311.730** is the 20% darker color. If you saturate the color by 10%, you get **19, 65.265, 317.402**, and if you desaturate by 10%, it is **21, 61.703, 317.680**.

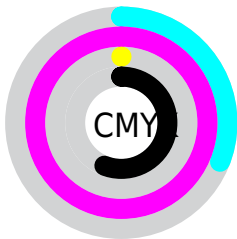
Distribution



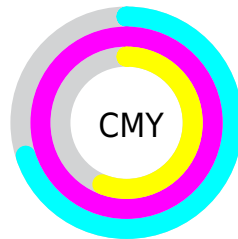
- Red (30%)
- Green (0%)
- Blue (44%)



- Red (30%)
- Yellow (0%)
- Blue (44%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (56%)



- Cyan (70%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 65.268, 317.402 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 19, 65.268, 317.402 by changing the saturation by 10% instead.

■ 19, 65.268,
317.402

■ 19, 65.268,
317.402

■ 100, 65.268,
317.402

■ 9, 65.268, 317.402

■ 39, 65.268,
317.402

■ 0, 65.268, 317.402

■ 49, 65.268,
317.402

■ 59, 65.268,
317.402


■ 69, 65.268,
317.402


■ 79, 65.268,
317.402


■ 89, 65.268,


317.402

 99, 65.268,
317.402


 19, 65.268,
317.402

 19, 65.268,
317.402


 19, 65.265,
317.402

 21, 61.703,
317.680

 22, 57.394,
317.869

 25, 51.762,
317.836

 27, 45.164,
317.639

 30, 37.947,
317.332

■ 34, 30.394,
316.958

■ 37, 22.708,
316.551

■ 40, 15.028,
316.133

■ 44, 7.443, 315.715

Harmonies

Complementary

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



19, 65.268, 317.402



41, 62.263, 132.307

Rectangle

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



19, 65.268, 317.402



19, 65.268, 7.402



19, 65.268, 137.402



19, 65.268, 187.402

Sweetspot

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



19, 65.265, 317.402



47, 28.132, 316.584



17, 52.196, 295.842



23, 19.374, 316.718



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



19, 65.265, 317.402



26, 78.869, 317.155



24, 54.957, 336.689



22, 4.188, 315.673



21, 68.529, 317.332



46, 117.416, 316.796

Inverse Universe

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



22, 46.951, 17.170



30, 57.033, 18.782



41, 60.800, 138.986



22, 2.881, 355.836



24, 49.367, 17.624



52, 85.686, 21.110

Previews

White Background



This preview shows how the CIE LCh color 19, 65.268, 317.402 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



This preview shows how the CIELCh color 19, 65.268, 317.402 looks on a 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 19, 65.268, 317.402

Background



This preview shows how black text looks on a background with the CIELCh color 19, 65.268, 317.402.



This preview shows how white text looks on a background with the CIELCh color 19, 65.268, 317.402.

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

19, 65.268, 317.402

Protanopia

20, 36.908, 284.144

Deuteranopia

20, 26.597, 270.968



Tritanopia
21, 10.908, 11.339

Trichromacy



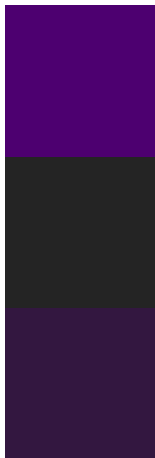
Original Color
19, 65.268, 317.402

Protanomaly
17, 51.127, 300.482

Deuteranomaly
16, 44.792, 299.090

Tritanomaly
18, 32.570, 326.498

Monochromacy



Original Color
19, 65.268, 317.402

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 30.351, 317.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 65.268, 317.402 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(77, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(77, 0, 112)  
}
```

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(77, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 0, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 65.268, 317.402 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(77, 0, 112) }
```

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

```
.border{ border-color:rgb(77, 0, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 0, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(77, 0, 112)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 65.268, 317.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 0, 112) }
```

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

```
.background{ background-color: rgb(77, 0,  
112) }
```

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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