

Converting Colors

CIELCh(19, 65.535, 316.931)

Have a look what the booklet for
CIELCh(19, 65.535, 316.931)
contains.

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Color

CIELCh(19, 65.556, 316.875)

Conversions

Conversions Part 1

Format	Color
Hex	4C0171
RGB	76, 1, 113
RGB Percent	30%, 0%, 44%
CMY	0.7021, 0.9963, 0.5570
CMYK	0.33, 0.99, 0.00, 0.56
HSL	280°, 98%, 22%
HSV	280°, 99%, 44%
XYZ	5.9660, 2.7468, 15.8271
YIQ	36.1930, 8.7480, 50.7320

Conversions

Conversions Part 2

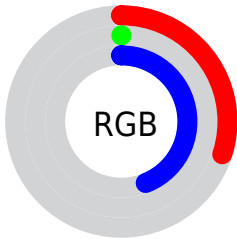
Format	Color
RYB	76, 1, 113
Decimal	4981105
CIELab	19.00, 47.85, -44.81
CIElCh	19, 65.556, 316.875
Yxy	2.7468, 0.2431, 0.1119
Android (android.graphics.Color)	4283171185 (0xFF4C0171)
YUV	36.1930, 37.8659, 34.9107
Hunter-Lab	16.5735, 35.2509, -45.0183

Details

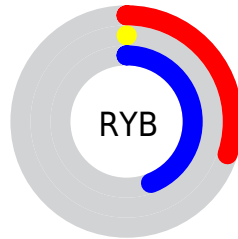
The CIELCh color **19, 65.556, 316.875** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 62.094, 131.942**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 65.620, 316.951**, and **5, 45.082, 310.791** is the 20% darker color. If you saturate the color by 10%, you get **19, 65.880, 316.859**, and if you desaturate by 10%, it is **21, 61.928, 317.168**.

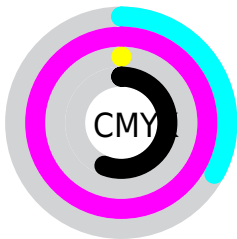
Distribution



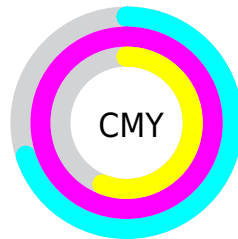
- Red (30%)
- Green (0%)
- Blue (44%)



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



- Cyan (33%)
- Magenta (99%)
- Yellow (0%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 65.556, 316.875 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, 65.556, 316.875 by changing the saturation by 10% instead.

■ 19, 65.556,
316.875

■ 19, 65.556,
316.875

■ 100, 65.556,
316.875

■ 9, 65.556, 316.875

■ 39, 65.556,
316.875

■ 0, 65.556, 316.875

■ 49, 65.556,
316.875


■ 59, 65.556,
316.875


■ 69, 65.556,
316.875


■ 79, 65.556,
316.875


■ 89, 65.556,


316.875


 99, 65.556,
316.875


 19, 65.556,
316.875

 19, 65.556,
316.875


 19, 65.880,
316.859

 21, 61.928,
317.168

 23, 57.401,
317.338

 25, 51.575,
317.283

 28, 44.823,
317.067

 31, 37.496,
316.745

■ 34, 29.867,
316.362

■ 37, 22.134,
315.948

■ 41, 14.427,
315.527

■ 44, 6.828, 315.109

Harmonies

Complementary

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



19, 65.556, 316.875



42, 62.094, 131.942

Rectangle

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



19, 65.556, 316.875



19, 65.556, 6.875



19, 65.556, 136.875



19, 65.556, 186.875

Sweetspot

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



19, 65.556, 316.875



48, 28.432, 316.017



18, 50.727, 294.676



23, 19.307, 316.151



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, 65.556, 316.875



26, 80.150, 316.598



25, 55.805, 335.731



22, 4.169, 315.102



20, 68.751, 316.796



45, 117.829, 316.242

Inverse Universe

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



23, 46.727, 15.276



31, 57.395, 17.239



41, 61.442, 138.698



22, 2.908, 354.626



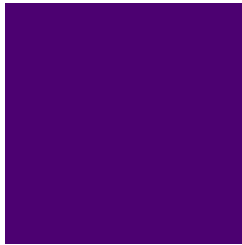
24, 49.073, 16.001



52, 84.981, 19.453

Previews

White Background



This preview shows how the CIE LCh color 19, 65.556, 316.875 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, 65.556, 316.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

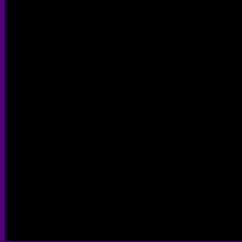
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 65.556, 316.875

Background



This preview shows how black text looks on a background with the CIELCh color 19, 65.556, 316.875.



This preview shows how white text looks on a background with the CIELCh color 19, 65.556, 316.875.

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, 65.556, 316.875

Protanopia
20, 36.288, 283.649

Deuteranopia
20, 26.597, 270.968



Tritanopia
20, 10.021, 6.214

Trichromacy



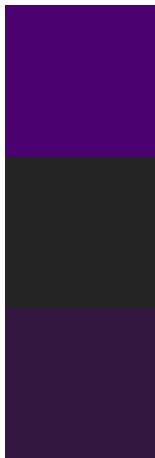
Original Color
19, 65.556, 316.875

Protanomaly
17, 50.512, 300.391

Deuteranomaly
16, 44.061, 298.566

Tritanomaly
18, 32.860, 324.444

Monochromacy



Original Color
19, 65.556, 316.875

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, 65.556, 316.875 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(76, 1, 113)` looks like.

```
.text, #text, p{  
    color:rgb(76, 1, 113)  
}
```

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(76, 1, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 1, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 65.556, 316.875 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(76, 1, 113) }
```

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

```
.border{ border-color:rgb(76, 1, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 1, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 1, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 1, 113);  
box-shadow:4px 4px 4px 4px rgb(76, 1, 113)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 65.556, 316.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 1, 113) }
```

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

```
.background{ background-color: rgb(76, 1,  
113) }
```

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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