

Converting Colors

CIELCh(19, 64.655, 301.328)

Have a look what the booklet for
CIELCh(19, 64.655, 301.328)
contains.

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Color

CIELCh(19, 64.980, 301.417)

Conversions

Conversions Part 1

Format	Color
Hex	151F81
RGB	21, 31, 129
RGB Percent	8%, 12%, 51%
CMY	0.9158, 0.8776, 0.4931
CMYK	0.83, 0.76, 0.00, 0.49
HSL	235°, 72%, 30%
HSV	235°, 83%, 51%
XYZ	4.7937, 2.7468, 21.1339
YIQ	39.1820, -37.4180, 28.3580

Conversions

Conversions Part 2

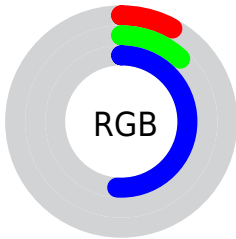
Format	Color
R_{YB}	21, 30, 129
Decimal	1384321
CIE _{Lab}	19.00, 33.87, -55.45
CIE _{LCh}	19, 64.980, 301.417
Yxy	2.7468, 0.1672, 0.0958
Android (android.graphics.Color)	4279574401 (0xFF151F81)
YUV	39.1820, 44.2803, -15.9456
Hunter-Lab	16.5735, 22.6249, -64.0026

Details

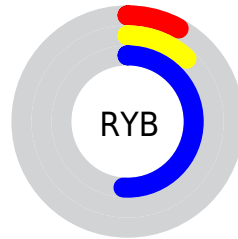
The CIELCh color **19, 64.980, 301.417** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **50, 50.699, 98.148**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 64.948, 301.400**, and **5, 55.479, 305.160** is the 20% darker color. If you saturate the color by 10%, you get **16, 72.269, 303.585**, and if you desaturate by 10%, it is **23, 56.740, 298.996**.

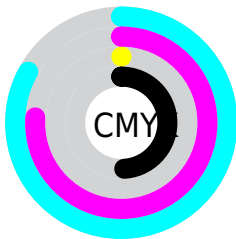
Distribution



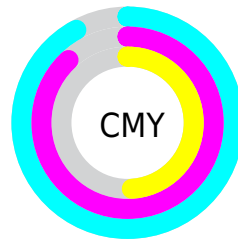
- Red (8%)
- Green (12%)
- Blue (51%)



- Red (8%)
- Yellow (12%)
- Blue (51%)



- Cyan (83%)
- Magenta (76%)
- Yellow (0%)
- Black (49%)



- Cyan (92%)
- Magenta (88%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 64.980, 301.417 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, 64.980, 301.417 by changing the saturation by 10% instead.

■ 19, 64.980,
301.417

■ 19, 64.980,
301.417

■ 100, 64.980,
301.417

■ 9, 64.980, 301.417

■ 39, 64.980,
301.417

■ 0, 64.980, 301.417

■ 49, 64.980,
301.417

■ 59, 64.980,
301.417

■ 69, 64.980,
301.417


■ 79, 64.980,
301.417


■ 89, 64.980,


301.417


 99, 64.980,
301.417

 19, 64.980,
301.417


 19, 64.980,
301.417


 16, 72.269,
303.585


 23, 56.740,
298.996

 15, 76.181,
304.631

 26, 48.257,
296.575

 31, 39.898,
294.319

 35, 31.805,
292.303

 39, 24.013,
290.544

■ 44, 16.513,
289.030

■ 48, 9.287, 287.734

■ 53, 2.313, 286.644

■ 57, 4.426, 105.639

Harmonies

Complementary

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



19, 64.980, 301.417



50, 50.699, 98.148

Rectangle

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



19, 64.980, 301.417



19, 64.980, 351.417



19, 64.980, 121.417



19, 64.980, 171.417

Sweetspot

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



19, 64.981, 301.418



55, 21.993, 289.343



49, 31.122, 184.377



27, 15.015, 289.776



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



19, 64.981, 301.418



21, 93.651, 305.018



21, 67.997, 310.166



25, 3.840, 287.238



14, 75.371, 304.606



0, 0.000, 0.000

Inverse Universe

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



28, 50.764, 28.276



35, 72.799, 36.023



49, 57.887, 122.792



25, 2.968, 12.577



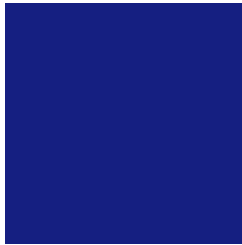
25, 58.508, 34.652



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 19, 64.980, 301.417 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, 64.980, 301.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

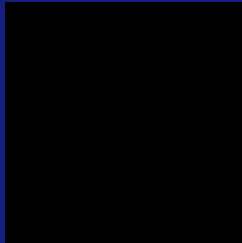
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 64.980, 301.417

Background



This preview shows how black text looks on a background with the CIELCh color 19, 64.980, 301.417.



This preview shows how white text looks on a background with the CIELCh color 19, 64.980, 301.417.

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, 64.980, 301.417

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.316, 268.541



Tritanopia
19, 15.854, 204.108

Trichromacy



Original Color
19, 64.980, 301.417

Protanomaly
18, 45.650, 293.007

Deuteranomaly
18, 39.113, 289.154

Tritanomaly
18, 26.958, 277.906

Monochromacy



Original Color
19, 64.980, 301.417

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 25.215, 294.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 64.980, 301.417 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(21, 31, 129)` looks like.

```
.text, #text, p{  
    color:rgb(21, 31, 129)  
}
```

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(21, 31, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 31, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 64.980, 301.417 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(21, 31, 129) }
```

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

```
.border{ border-color:rgb(21, 31, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 31, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 31, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 31, 129);  
box-shadow:4px 4px 4px 4px rgb(21, 31,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 64.980, 301.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 31, 129) }
```

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

```
.background{ background-color: rgb(21, 31,  
129) }
```

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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