

Converting Colors

CIELCh(19, 64.959, 304.644)

Have a look what the booklet for
CIELCh(19, 64.959, 304.644)
contains.

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Color

CIELCh(19, 64.955, 304.719)

Conversions

Conversions Part 1

Format	Color
Hex	281B7E
RGB	40, 27, 126
RGB Percent	16%, 11%, 49%
CMY	0.8428, 0.8939, 0.5056
CMYK	0.68, 0.79, 0.00, 0.51
HSL	248°, 65%, 30%
HSV	248°, 79%, 49%
XYZ	5.0410, 2.7468, 20.0240
YIQ	42.1730, -24.0310, 33.5450

Conversions

Conversions Part 2

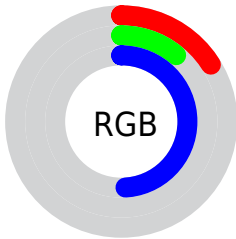
Format	Color
RYB	40, 27, 126
Decimal	2628478
CIELab	19.00, 37.00, -53.39
CIELCh	19, 64.955, 304.719
Yxy	2.7468, 0.1813, 0.0988
Android (android.graphics.Color)	4280818558 (0xFF281B7E)
YUV	42.1730, 41.3267, -1.9057
Hunter-Lab	16.5735, 25.2883, -60.0323

Details

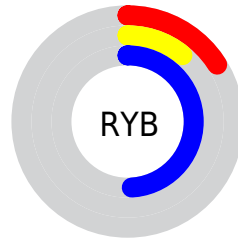
The CIELCh color **19, 64.955, 304.719** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **50, 51.600, 110.418**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 65.072, 304.695**, and **5, 53.421, 304.725** is the 20% darker color. If you saturate the color by 10%, you get **16, 72.073, 305.873**, and if you desaturate by 10%, it is **23, 56.607, 303.296**.

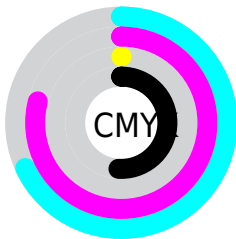
Distribution



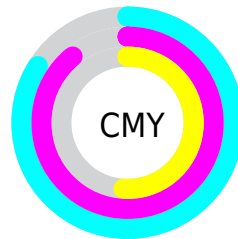
- Red (16%)
- Green (11%)
- Blue (49%)



- Red (16%)
- Yellow (11%)
- Blue (49%)



- Cyan (68%)
- Magenta (79%)
- Yellow (0%)
- Black (51%)



- Cyan (84%)
- Magenta (89%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 64.955, 304.719 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, 64.955, 304.719 by changing the saturation by 10% instead.

■ 19, 64.955,
304.719

■ 19, 64.955,
304.719

■ 100, 64.955,
304.719

■ 9, 64.955, 304.719

■ 39, 64.955,
304.719

■ 0, 64.955, 304.719

■ 49, 64.955,
304.719


■ 59, 64.955,
304.719

■ 69, 64.955,
304.719

■ 79, 64.955,
304.719


■ 89, 64.955,


304.719


 99, 64.955,
304.719

 19, 64.955,
304.719

 19, 64.955,
304.719


 16, 72.073,
305.873


 23, 56.607,
303.296

 14, 77.704,
306.777

 27, 47.808,
301.804

 13, 78.565,
306.948

 31, 39.004,
300.371

 36, 30.402,
299.061

 40, 22.085,
297.898

■ 45, 14.074,
296.881

■ 49, 6.365, 296.000

■ 53, 1.059, 115.227

■ 58, 8.213, 114.579

Harmonies

Complementary

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



19, 64.955, 304.719



50, 51.600, 110.418

Rectangle

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



19, 64.955, 304.719



19, 64.955, 354.719



19, 64.955, 124.719



19, 64.955, 174.719

Sweetspot

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



19, 64.956, 304.720



54, 22.762, 297.476



44, 24.672, 213.442



26, 15.647, 297.785



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



19, 64.956, 304.720



21, 91.798, 306.423



25, 62.435, 315.776



24, 4.243, 296.046



14, 79.217, 306.942



0, 0.000, 0.000

Inverse Universe

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



30, 56.839, 332.797



38, 73.899, 333.835



47, 58.119, 130.053



25, 4.660, 328.737



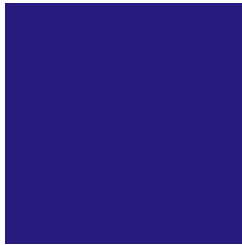
29, 62.557, 334.060



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 19, 64.955, 304.719 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 CIE LCh color 19, 64.955, 304.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

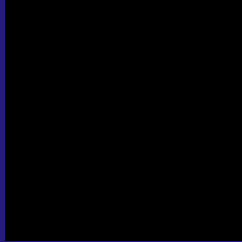
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 64.955, 304.719

Background



This preview shows how black text looks on a background with the CIELCh color 19, 64.955, 304.719.



This preview shows how white text looks on a background with the CIELCh color 19, 64.955, 304.719.

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, 64.955, 304.719

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.316, 268.541



Tritanopia
19, 15.767, 206.760

Trichromacy



Original Color
19, 64.955, 304.719

Protanomaly
18, 46.380, 294.810

Deuteranomaly
18, 39.173, 291.142

Tritanomaly
18, 26.756, 280.582

Monochromacy



Original Color
19, 64.955, 304.719

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 25.114, 299.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 64.955, 304.719 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(40, 27, 126)` looks like.

```
.text, #text, p{  
    color:rgb(40, 27, 126)  
}
```

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(40, 27, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 27, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 64.955, 304.719 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(40, 27, 126) }
```

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

```
.border{ border-color:rgb(40, 27, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 27, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 27, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 27, 126);  
box-shadow:4px 4px 4px 4px rgb(40, 27,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 64.955, 304.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 27, 126) }
```

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

```
.background{ background-color: rgb(40, 27,  
126) }
```

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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