

Converting Colors

CIELCh(19, 49.782, 299.836)

Have a look what the booklet for
CIELCh(19, 49.782, 299.836)
contains.

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Color

CIELCh(19, 49.898, 299.957)

Conversions

Conversions Part 1

Format	Color
Hex	22246E
RGB	34, 36, 110
RGB Percent	13%, 14%, 43%
CMY	0.8657, 0.8581, 0.5678
CMYK	0.69, 0.67, 0.00, 0.57
HSL	238°, 53%, 28%
HSV	238°, 69%, 43%
XYZ	4.1298, 2.7468, 15.1235
YIQ	43.8380, -24.9460, 22.5900

Conversions

Conversions Part 2

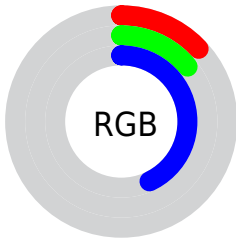
Format	Color
R_{YB}	34, 36, 110
Decimal	2237550
CIE Lab	19.00, 24.92, -43.23
CIE LCh	19, 49.898, 299.957
Yxy	2.7468, 0.1877, 0.1249
Android (android.graphics.Color)	4280427630 (0xFF22246E)
YUV	43.8380, 32.6179, -8.6279
Hunter-Lab	16.5735, 15.4748, -42.5013




Details

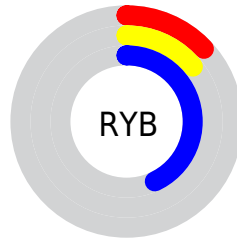
The CIELCh color **19, 49.898, 299.957** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **45, 41.044, 102.997**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 49.541, 299.847**, and **3, 42.690, 301.121** is the 20% darker color. If you saturate the color by 10%, you get **16, 57.598, 302.121**, and if you desaturate by 10%, it is **23, 41.989, 297.808**.

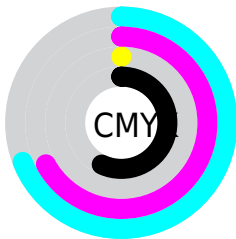
Distribution







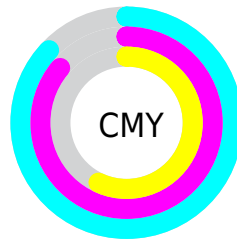
-  Red (13%)
-  Green (14%)
-  Blue (43%)






-  Red (13%)
-  Yellow (14%)
-  Blue (43%)



-  Cyan (69%)
-  Magenta (67%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (87%)
-  Magenta (86%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 49.898, 299.957 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, 49.898, 299.957 by changing the saturation by 10% instead.

■ 19, 49.898,
299.957

■ 19, 49.898,
299.957

■ 100, 49.898,
299.957

■ 9, 49.898, 299.957

■ 39, 49.898,
299.957

■ 0, 49.898, 299.957

■ 49, 49.898,
299.957


■ 59, 49.898,
299.957


■ 69, 49.898,
299.957


■ 79, 49.898,
299.957


■ 89, 49.898,


299.957


 99, 49.898,
299.957


 19, 49.898,
299.957


 19, 49.898,
299.957


 16, 57.598,
302.121


 23, 41.989,
297.808


 13, 64.422,
304.056


 27, 34.205,
295.816

 11, 70.025,
305.561

 31, 26.675,
294.043

 10, 70.672,
305.729

 35, 19.431,
292.500

 39, 12.469,
291.174

■ 43, 5.772, 290.041

■ 47, 0.680, 108.988

■ 51, 6.904, 108.216

■ 55, 12.916,
107.500

Harmonies

Complementary

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



19, 49.898, 299.957



45, 41.044, 102.997

Rectangle

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



19, 49.898, 299.957



19, 49.898, 349.957



19, 49.898, 119.957



19, 49.898, 169.957

Sweetspot

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



19, 49.898, 299.958



49, 17.203, 291.504



42, 23.863, 192.984



23, 11.607, 291.763



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



19, 49.898, 299.958



20, 74.752, 303.381



22, 50.380, 311.358



21, 3.694, 290.051



12, 75.164, 305.779



32, 129.759, 306.076

Inverse Universe

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



26, 37.948, 27.263



31, 56.903, 32.682



42, 45.193, 125.141



22, 2.649, 17.807



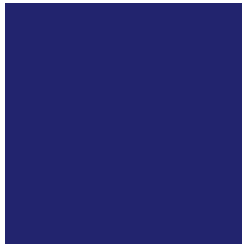
24, 57.315, 36.796



52, 101.189, 39.282

Previews

White Background



This preview shows how the CIE LCh color 19, 49.898, 299.957 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, 49.898, 299.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

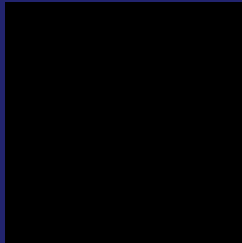
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 49.898, 299.957

Background



This preview shows how black text looks on a background with the CIELCh color 19, 49.898, 299.957.



This preview shows how white text looks on a background with the CIELCh color 19, 49.898, 299.957.

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, 49.898, 299.957

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.316, 268.541



Tritanopia
19, 15.854, 204.108

Trichromacy



Original Color
19, 49.898, 299.957

Protanomaly
19, 40.328, 290.425

Deuteranomaly
19, 33.154, 285.078

Tritanomaly
18, 21.409, 269.144

Monochromacy



Original Color
19, 49.898, 299.957

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 18.687, 293.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 49.898, 299.957 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(34, 36, 110)` looks like.

```
.text, #text, p{  
    color:rgb(34, 36, 110)  
}
```

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(34, 36, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 36, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 49.898, 299.957 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(34, 36, 110) }
```

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

```
.border{ border-color:rgb(34, 36, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 36, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 36, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 36, 110);  
box-shadow:4px 4px 4px 4px rgb(34, 36,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 49.898, 299.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 36, 110) }
```

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

```
.background{ background-color: rgb(34, 36,  
110) }
```

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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