

Converting Colors

CIELCh(19, 43.309, 321.489)

Have a look what the booklet for
CIELCh(19, 43.309, 321.489)
contains.

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Color

CIELCh(19, 43.621, 321.628)

Conversions

Conversions Part 1

Format	Color
Hex	4A1756
RGB	74, 23, 86
RGB Percent	29%, 9%, 34%
CMY	0.7095, 0.9095, 0.6625
CMYK	0.14, 0.73, 0.00, 0.66
HSL	289°, 58%, 21%
HSV	289°, 73%, 34%
XYZ	4.8192, 2.7468, 9.0939
YIQ	45.4310, 10.1730, 30.4050

Conversions

Conversions Part 2

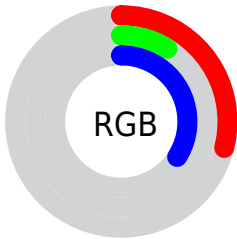
Format	Color
R_{YB}	74, 23, 86
Decimal	4855638
CIE _{Lab}	19.00, 34.20, -27.08
CIE _{LCh}	19, 43.621, 321.628
Yxy	2.7468, 0.2893, 0.1649
Android (android.graphics.Color)	4283045718 (0xFF4A1756)
YUV	45.4310, 20.0005, 25.0550
Hunter-Lab	16.5735, 22.8996, -20.9310

Details

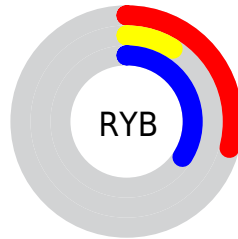
The CIELCh color **19, 43.621, 321.628** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **32, 42.925, 135.033**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 43.513, 321.743**, and **4, 29.075, 318.390** is the 20% darker color. If you saturate the color by 10%, you get **17, 47.742, 321.669**, and if you desaturate by 10%, it is **21, 38.632, 321.454**.

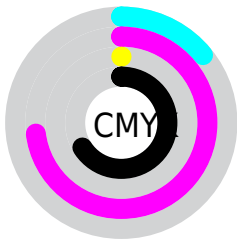
Distribution



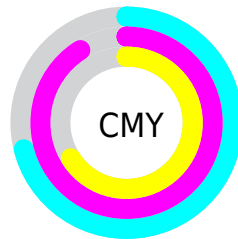
- Red (29%)
- Green (9%)
- Blue (34%)



- Red (29%)
- Yellow (9%)
- Blue (34%)



- Cyan (14%)
- Magenta (73%)
- Yellow (0%)
- Black (66%)



- Cyan (71%)
- Magenta (91%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 43.621, 321.628 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, 43.621, 321.628 by changing the saturation by 10% instead.

 19, 43.621,
321.628

 19, 43.621,
321.628

 100, 43.621,
321.628

 9, 43.621, 321.628

 39, 43.621,
321.628

 0, 43.621, 321.628

 49, 43.621,
321.628

 59, 43.621,
321.628

 69, 43.621,
321.628

 79, 43.621,
321.628

 89, 43.621,

321.628


 99, 43.621,
321.628


 19, 43.621,
321.628


 19, 43.621,
321.628


 17, 47.742,
321.669


 21, 38.632,
321.454


 16, 50.960,
321.577

 23, 33.023,
321.179

 15, 53.218,
321.549

 25, 27.014,
320.836

 28, 20.788,
320.450

 30, 14.481,
320.040

■ 33, 8.186, 319.621

■ 36, 1.969, 319.168

■ 38, 4.131, 138.858

■ 41, 10.090,
138.464

Harmonies

Complementary

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



19, 43.621, 321.628



32, 42.925, 135.033

Rectangle

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



19, 43.621, 321.628



19, 43.621, 11.628



19, 43.621, 141.628



19, 43.621, 191.628

Sweetspot

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



19, 43.620, 321.628



40, 17.088, 320.022



16, 35.089, 293.291



19, 11.365, 320.082



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 43.620, 321.628



23, 60.447, 321.587



20, 36.195, 339.972



16, 3.480, 319.432



20, 62.033, 321.371



48, 110.463, 320.939

Inverse Universe

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



19, 31.097, 15.669



23, 45.121, 22.245



32, 36.701, 147.029



16, 2.195, 4.643



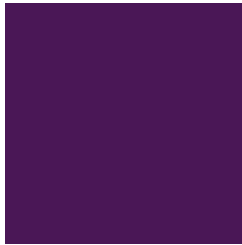
21, 48.155, 27.128



49, 88.519, 31.048

Previews

White Background



This preview shows how the CIE LCh color 19, 43.621, 321.628 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, 43.621, 321.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

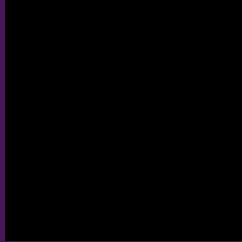
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 43.621, 321.628

Background



This preview shows how black text looks on a background with the CIELCh color 19, 43.621, 321.628.



This preview shows how white text looks on a background with the CIELCh color 19, 43.621, 321.628.

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, 43.621, 321.628

Protanopia

19, 35.167, 283.496

Deuteranopia

20, 23.930, 276.571



Tritanopia
19, 14.609, 15.153

Trichromacy



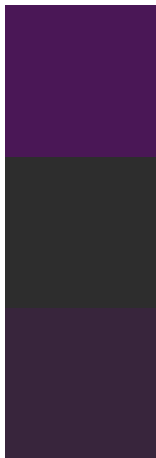
Original Color
19, 43.621, 321.628

Protanomaly
18, 37.812, 294.521

Deuteranomaly
18, 30.282, 297.726

Tritanomaly
19, 23.082, 339.045

Monochromacy



Original Color
19, 43.621, 321.628

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 17.844, 321.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 43.621, 321.628 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(74, 23, 86)` looks like.

```
.text, #text, p{  
    color:rgb(74, 23, 86)  
}
```

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(74, 23, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 23, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 43.621, 321.628 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(74, 23, 86) }
```

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

```
.border{ border-color:rgb(74, 23, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 23, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 23, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 23, 86);  
box-shadow:4px 4px 4px 4px rgb(74, 23, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 43.621, 321.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 23, 86) }
```

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

```
.background{ background-color: rgb(74, 23,  
86) }
```

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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