

Converting Colors

CIELCh(19, 48.489, 322.291)

Have a look what the booklet for
CIELCh(19, 48.489, 322.291)
contains.

CIELCh(19, 48.628, 322.508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 48.628, 322.508)

Conversions

Conversions Part 1

Format	Color
Hex	4E115A
RGB	78, 17, 90
RGB Percent	31%, 7%, 35%
CMY	0.6946, 0.9339, 0.6475
CMYK	0.13, 0.81, 0.00, 0.65
HSL	290°, 68%, 21%
HSV	290°, 81%, 35%
XYZ	5.1699, 2.7468, 9.9029
YIQ	43.5610, 12.9230, 35.6350

Conversions

Conversions Part 2

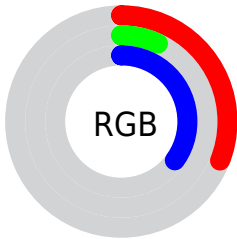
Format	Color
RYB	78, 17, 90
Decimal	5116250
CIELab	19.00, 38.58, -29.60
CIELCh	19, 48.628, 322.508
Yxy	2.7468, 0.2901, 0.1541
Android (android.graphics.Color)	4283306330 (0xFF4E115A)
YUV	43.5610, 22.8944, 30.2030
Hunter-Lab	16.5735, 26.6769, -23.8250

Details

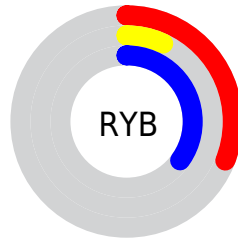
The CIELCh color **19, 48.628, 322.508** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **33, 48.307, 135.166**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 49.065, 322.542**, and **5, 31.827, 319.772** is the 20% darker color. If you saturate the color by 10%, you get **18, 51.916, 322.441**, and if you desaturate by 10%, it is **21, 44.275, 322.429**.

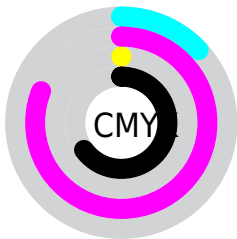
Distribution



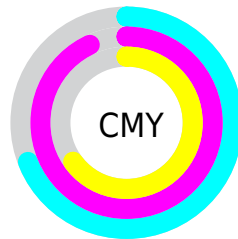
- Red (31%)
- Green (7%)
- Blue (35%)



- Red (31%)
- Yellow (7%)
- Blue (35%)



- Cyan (13%)
- Magenta (81%)
- Yellow (0%)
- Black (65%)



- Cyan (69%)
- Magenta (93%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 48.628, 322.508 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, 48.628, 322.508 by changing the saturation by 10% instead.

■ 19, 48.628,
322.508

■ 19, 48.628,
322.508

■ 100, 48.628,
322.508

■ 9, 48.628, 322.508

■ 39, 48.628,
322.508

■ 0, 48.628, 322.508

■ 49, 48.628,
322.508

■ 59, 48.628,
322.508

■ 69, 48.628,
322.508


■ 79, 48.628,
322.508


■ 89, 48.628,

322.508

 99, 48.628,
322.508


 19, 48.628,
322.508


 19, 48.628,
322.508


 18, 51.916,
322.441


 21, 44.275,
322.429

 17, 54.668,
322.388

 23, 39.039,
322.227

 25, 33.169,
321.932

 27, 26.894,
321.572

 30, 20.401,
321.173

■ 32, 13.828,
320.752

■ 35, 7.273, 320.320

■ 38, 0.802, 319.766

■ 41, 5.544, 139.535

Harmonies

Complementary

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



19, 48.628, 322.508



33, 48.307, 135.166

Rectangle

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



19, 48.628, 322.508



19, 48.628, 12.508



19, 48.628, 142.508



19, 48.628, 192.508

Sweetspot

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



19, 48.627, 322.508



41, 19.485, 320.903



14, 42.700, 297.109



19, 13.261, 320.999



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



19, 48.627, 322.508



24, 65.086, 322.259



20, 39.101, 342.847



17, 3.681, 320.215



21, 62.874, 322.249



50, 110.967, 321.880

Inverse Universe

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



19, 35.685, 20.588



23, 51.131, 28.496



33, 40.174, 146.920



17, 2.285, 6.661



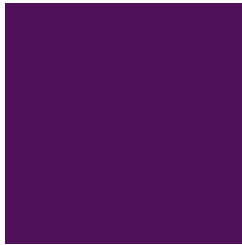
21, 49.792, 29.193



50, 90.861, 32.874

Previews

White Background



This preview shows how the CIE LCh color 19, 48.628, 322.508 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, 48.628, 322.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

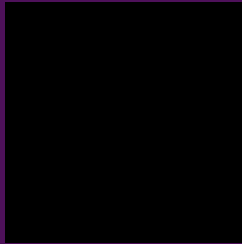
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 48.628, 322.508

Background



This preview shows how black text looks on a background with the CIELCh color 19, 48.628, 322.508.



This preview shows how white text looks on a background with the CIELCh color 19, 48.628, 322.508.

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, 48.628, 322.508

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 25.431, 275.191



Tritanopia
20, 16.673, 16.749

Trichromacy



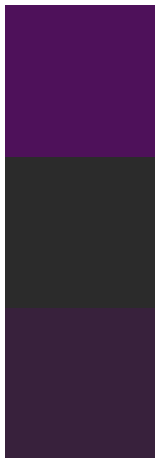
Original Color
19, 48.628, 322.508

Protanomaly
17, 41.308, 297.149

Deuteranomaly
18, 34.435, 298.523

Tritanomaly
19, 26.304, 339.682

Monochromacy



Original Color
19, 48.628, 322.508

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 21.025, 322.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 48.628, 322.508 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(78, 17, 90)` looks like.

```
.text, #text, p{  
    color:rgb(78, 17, 90)  
}
```

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(78, 17, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 17, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 48.628, 322.508 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(78, 17, 90) }
```

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

```
.border{ border-color:rgb(78, 17, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 17, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 17, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 17, 90);  
box-shadow:4px 4px 4px 4px rgb(78, 17, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 48.628, 322.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 17, 90) }
```

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

```
.background{ background-color: rgb(78, 17,  
90) }
```

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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