

Converting Colors

CIELCh(19, 44.677, 324.901)

Have a look what the booklet for
CIELCh(19, 44.677, 324.901)
contains.

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Color

CIELCh(19, 44.745, 324.799)

Conversions

Conversions Part 1

Format	Color
Hex	4E1354
RGB	78, 19, 84
RGB Percent	31%, 7%, 33%
CMY	0.6932, 0.9245, 0.6697
CMYK	0.07, 0.77, 0.00, 0.67
HSL	294°, 63%, 20%
HSV	294°, 77%, 33%
XYZ	5.0062, 2.7468, 8.6987
YIQ	44.0510, 14.2990, 32.7230

Conversions

Conversions Part 2

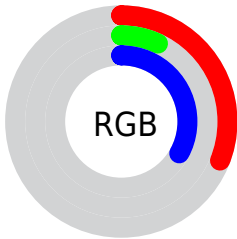
Format	Color
R_{YB}	78, 19, 84
Decimal	5116756
CIE _{Lab}	19.00, 36.56, -25.79
CIE _{LCh}	19, 44.745, 324.799
Yxy	2.7468, 0.3043, 0.1670
Android (android.graphics.Color)	4283306836 (0xFF4E1354)
YUV	44.0510, 19.6949, 29.7733
Hunter-Lab	16.5735, 24.9142, -19.5171

Details

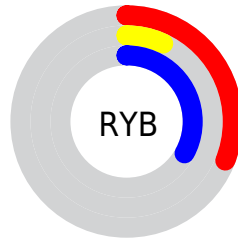
The CIELCh color **19, 44.745, 324.799** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 44.976, 136.683**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 44.954, 324.651**, and **4, 28.420, 322.640** is the 20% darker color. If you saturate the color by 10%, you get **18, 48.164, 324.879**, and if you desaturate by 10%, it is **21, 40.346, 324.607**.

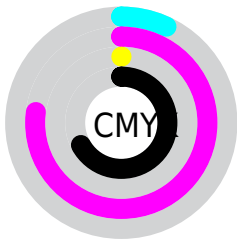
Distribution



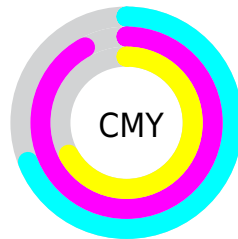
- Red (31%)
- Green (7%)
- Blue (33%)



- Red (31%)
- Yellow (7%)
- Blue (33%)



- Cyan (7%)
- Magenta (77%)
- Yellow (0%)
- Black (67%)



- Cyan (69%)
- Magenta (92%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 44.745, 324.799 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, 44.745, 324.799 by changing the saturation by 10% instead.

 19, 44.745,
324.799

 19, 44.745,
324.799

 100, 44.745,
324.799

 9, 44.745, 324.799

 39, 44.745,
324.799

 0, 44.745, 324.799

 49, 44.745,
324.799

 59, 44.745,
324.799

 69, 44.745,
324.799

 79, 44.745,
324.799


 89, 44.745,


324.799

 99, 44.745,
324.799


 19, 44.745,
324.799


 19, 44.745,
324.799


 18, 48.164,
324.879


 21, 40.346,
324.607


 17, 51.035,
324.906

 22, 35.173,
324.324

 16, 51.899,
324.923

 24, 29.447,
323.972

 27, 23.367,
323.571

 29, 17.099,
323.139

■ 31, 10.767,
322.689

■ 34, 4.461, 322.223

■ 37, 1.759, 141.880

■ 39, 7.855, 141.393

Harmonies

Complementary

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



19, 44.745, 324.799



31, 44.976, 136.683

Rectangle

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



19, 44.745, 324.799



19, 44.745, 14.799



19, 44.745, 144.799



19, 44.745, 194.799

Sweetspot

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



19, 44.744, 324.799



39, 18.003, 322.989



13, 41.435, 298.612



19, 12.566, 323.094



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, 44.744, 324.799



24, 60.509, 324.848



19, 34.728, 346.174



16, 3.582, 322.303



22, 61.377, 324.821



52, 109.167, 324.597

Inverse Universe

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



18, 33.136, 24.314



22, 48.850, 31.459



31, 34.637, 150.405



16, 2.140, 12.351



21, 50.632, 32.842



49, 94.265, 36.880

Previews

White Background



This preview shows how the CIE LCh color 19, 44.745, 324.799 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, 44.745, 324.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

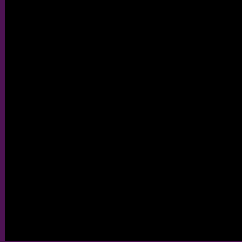
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 44.745, 324.799

Background



This preview shows how black text looks on a background with the CIELCh color 19, 44.745, 324.799.



This preview shows how white text looks on a background with the CIELCh color 19, 44.745, 324.799.

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, 44.745, 324.799

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 22.416, 277.569



Tritanopia
20, 18.326, 19.914

Trichromacy



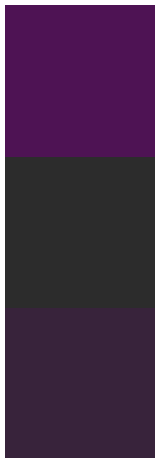
Original Color
19, 44.745, 324.799

Protanomaly
17, 39.274, 296.186

Deuteranomaly
18, 30.379, 301.459

Tritanomaly
19, 24.804, 346.672

Monochromacy



Original Color
19, 44.745, 324.799

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 18.869, 322.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 44.745, 324.799 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, 19, 84)` looks like.

```
.text, #text, p{  
    color:rgb(78, 19, 84)  
}
```

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, 19, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 19, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 44.745, 324.799 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, 19, 84) }
```

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

```
.border{ border-color:rgb(78, 19, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 19, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 19, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 19, 84);  
box-shadow:4px 4px 4px 4px rgb(78, 19, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 44.745, 324.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 19, 84) }
```

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

```
.background{ background-color: rgb(78, 19,  
84) }
```

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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