

Converting Colors

CIELCh(19, 29.989, 332.494)

Have a look what the booklet for
CIELCh(19, 29.989, 332.494)
contains.

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Color

CIELCh(19, 29.921, 332.497)

Conversions

Conversions Part 1

Format	Color
Hex	4A1E43
RGB	74, 30, 67
RGB Percent	29%, 12%, 26%
CMY	0.7115, 0.8839, 0.7389
CMYK	0.00, 0.60, 0.09, 0.71
HSL	310°, 43%, 20%
HSV	310°, 60%, 29%
XYZ	4.2452, 2.7468, 5.5516
YIQ	47.3740, 14.3470, 20.8350

Conversions

Conversions Part 2

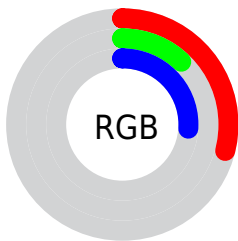
Format	Color
R_{YB}	74, 30, 67
Decimal	4857411
CIE _{Lab}	19.00, 26.54, -13.82
CIE _{LCh}	19, 29.921, 332.497
Yxy	2.7468, 0.3384, 0.2190
Android (android.graphics.Color)	4283047491 (0xFF4A1E43)
YUV	47.3740, 9.6756, 23.3510
Hunter-Lab	16.5735, 16.7182, -8.2588

Details

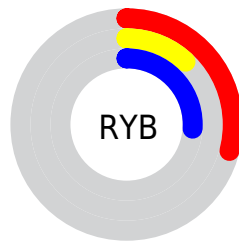
The CIELCh color **19, 29.921, 332.497** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 30.142, 144.299**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 30.098, 332.473**, and **3, 18.107, 333.904** is the 20% darker color. If you saturate the color by 10%, you get **17, 33.901, 333.088**, and if you desaturate by 10%, it is **21, 25.400, 331.912**.

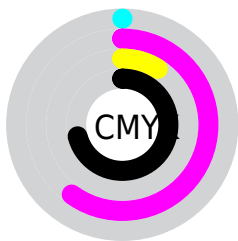
Distribution



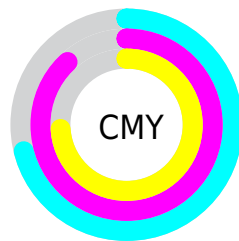
- Red (29%)
- Green (12%)
- Blue (26%)



- Red (29%)
- Yellow (12%)
- Blue (26%)



- Cyan (0%)
- Magenta (60%)
- Yellow (9%)
- Black (71%)



- Cyan (71%)
- Magenta (88%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 29.921, 332.497 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, 29.921, 332.497 by changing the saturation by 10% instead.

 19, 29.921,
332.497

 19, 29.921,
332.497

 100, 29.921,
332.497


 9, 29.921, 332.497

 39, 29.921,
332.497

 0, 29.921, 332.497

 49, 29.921,
332.497

 59, 29.921,
332.497

 69, 29.921,
332.497

 79, 29.921,
332.497


 89, 29.921,


332.497


 99, 29.921,
332.497


 19, 29.921,
332.497


 19, 29.921,
332.497


 17, 33.901,
333.088


 21, 25.400,
331.912


 16, 37.162,
333.689


 23, 20.518,
331.332

 15, 39.611,
334.307

 25, 15.423,
330.757

 14, 42.037,
334.892

 27, 10.233,
330.189

 14, 42.095,
334.904

 29, 5.035, 329.624

■ 31, 0.112, 150.414

■ 34, 5.168, 148.628

■ 36, 10.109,
148.117

■ 38, 14.923,
147.636

Harmonies

Complementary

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



19, 29.921, 332.497



27, 30.142, 144.299

Rectangle

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



19, 29.921, 332.497



19, 29.921, 22.497



19, 29.921, 152.497



19, 29.921, 202.497

Sweetspot

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



19, 29.920, 332.497



36, 11.701, 330.130



14, 31.159, 301.872



17, 8.024, 330.219



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



19, 29.920, 332.497



24, 43.089, 333.394



18, 22.831, 359.766



13, 2.798, 329.553



21, 51.535, 335.244



52, 93.335, 335.864

Inverse Universe

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



19, 29.920, 332.497



24, 43.089, 333.394



28, 20.096, 166.622



13, 2.798, 329.553



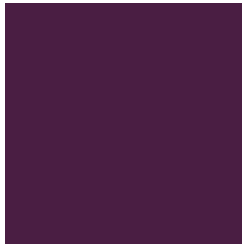
21, 51.535, 335.244



52, 93.335, 335.864

Previews

White Background



This preview shows how the CIELCh color 19, 29.921, 332.497 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, 29.921, 332.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

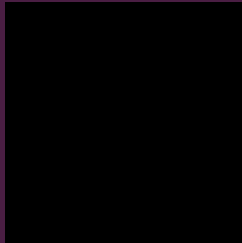
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 29.921, 332.497

Background



This preview shows how black text looks on a background with the CIELCh color 19, 29.921, 332.497.



This preview shows how white text looks on a background with the CIELCh color 19, 29.921, 332.497.

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, 29.921, 332.497

Protanopia

19, 23.406, 284.404

Deuteranopia

19, 12.374, 285.671



Tritanopia
19, 17.310, 19.396

Trichromacy



Original Color
19, 29.921, 332.497

Protanomaly
18, 24.264, 301.778

Deuteranomaly
19, 18.076, 311.384

Tritanomaly
19, 20.216, 355.392

Monochromacy



Original Color
19, 29.921, 332.497

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 11.519, 331.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 29.921, 332.497 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, 30, 67)` looks like.

```
.text, #text, p{  
    color:rgb(74, 30, 67)  
}
```

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, 30, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 30, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 29.921, 332.497 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, 30, 67) }
```

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

```
.border{ border-color:rgb(74, 30, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 30, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 30, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 30, 67);  
box-shadow:4px 4px 4px 4px rgb(74, 30, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 29.921, 332.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 30, 67) }
```

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

```
.background{ background-color: rgb(74, 30,  
67) }
```

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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