

Converting Colors

CIELCh(19, 29.075, 326.944)

Have a look what the booklet for
CIELCh(19, 29.075, 326.944)
contains.

CIELCh(19, 28.702, 326.928)	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, 28.702, 326.928)

Conversions

Conversions Part 1

Format	Color
Hex	452045
RGB	69, 32, 69
RGB Percent	27%, 13%, 27%
CMY	0.7287, 0.8738, 0.7287
CMYK	0.00, 0.53, 0.00, 0.73
HSL	300°, 37%, 20%
HSV	300°, 53%, 27%
XYZ	4.0691, 2.7468, 5.9763
YIQ	47.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

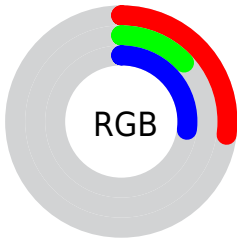
Format	Color
R_{YB}	69, 32, 69
Decimal	4530245
CIE _{Lab}	19.00, 24.05, -15.66
CIE _{LCh}	19, 28.702, 326.928
Yxy	2.7468, 0.3181, 0.2147
Android (android.graphics.Color)	4282720325 (0xFF452045)
YUV	47.2810, 10.7075, 19.0476
Hunter-Lab	16.5735, 14.8216, -9.7783

Details

The CIELCh color **19, 28.702, 326.928** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 28.826, 140.637**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 28.363, 326.884**, and **3, 16.756, 324.457** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.311, 327.306**, and if you desaturate by 10%, it is **21, 23.662, 326.506**.

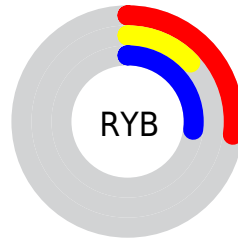
Distribution



Red (27%)

Green (13%)

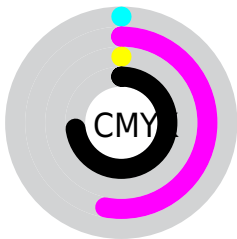
Blue (27%)



Red (27%)

Yellow (13%)

Blue (27%)

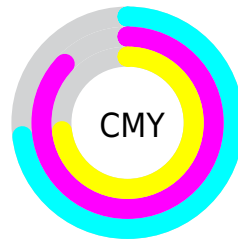


Cyan (0%)

Magenta (53%)

Yellow (0%)

Black (73%)



Cyan (73%)

Magenta (87%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 28.702, 326.928 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, 28.702, 326.928 by changing the saturation by 10% instead.

■ 19, 28.702,
326.928

■ 19, 28.702,
326.928

■ 100, 28.702,
326.928

■ 9, 28.702, 326.928

■ 39, 28.702,
326.928

■ 0, 28.702, 326.928

■ 49, 28.702,
326.928

■ 59, 28.702,
326.928

■ 69, 28.702,
326.928


■ 79, 28.702,
326.928


■ 89, 28.702,


326.928


 99, 28.702,
326.928


 19, 28.702,
326.928


 19, 28.702,
326.928


 18, 33.311,
327.306


 21, 23.662,
326.506

 16, 37.326,
327.628


 23, 18.349,
326.051

 15, 40.587,
327.884

 24, 12.890,
325.575

 14, 43.325,
328.095

 27, 7.383, 325.084

 14, 45.199,
328.238

 29, 1.902, 324.551

 31, 3.502, 144.170

■ 33, 8.797, 143.681

■ 35, 13.962,
143.224

■ 37, 18.988,
142.787

Harmonies

Complementary

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



19, 28.702, 326.928



26, 28.826, 140.637

Rectangle

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



19, 28.702, 326.928



19, 28.702, 16.928



19, 28.702, 146.928



19, 28.702, 196.928

Sweetspot

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



19, 28.701, 326.928



34, 10.829, 325.239



14, 26.223, 296.960



16, 7.376, 325.282



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 28.701, 326.928



23, 41.121, 327.410



18, 20.818, 348.641



13, 3.122, 324.839



22, 57.926, 328.238



54, 105.811, 328.238

Inverse Universe

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



19, 28.701, 326.928



23, 41.121, 327.410



26, 19.747, 158.733



13, 3.122, 324.839



22, 57.926, 328.238



54, 105.811, 328.238

Previews

White Background



This preview shows how the CIE LCh color 19, 28.702, 326.928 looks on a white background.

Color Contrast Check

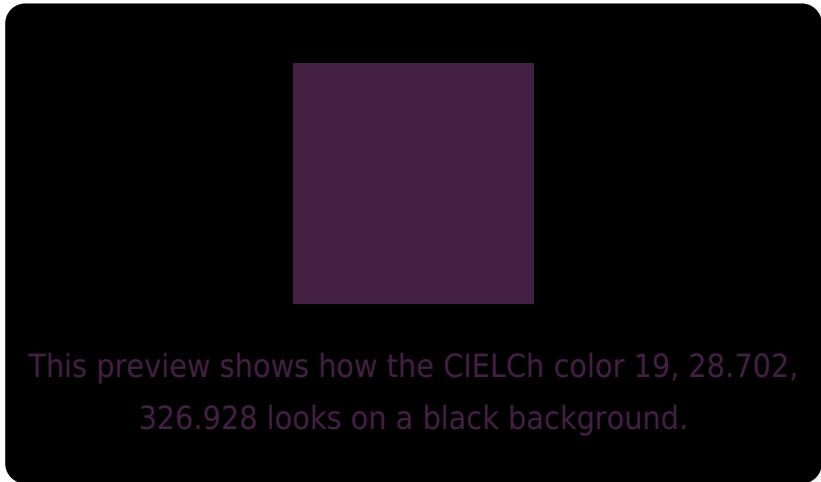
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

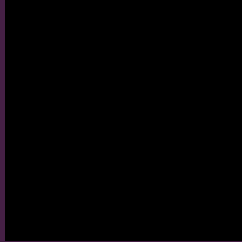
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 28.702, 326.928

Background



This preview shows how black text looks on a background with the CIELCh color 19, 28.702, 326.928.



This preview shows how white text looks on a background with the CIELCh color 19, 28.702, 326.928.

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, 28.702, 326.928

Protanopia

19, 24.099, 284.305

Deuteranopia

19, 14.471, 284.384



Tritanopia
19, 13.606, 14.284

Trichromacy



Original Color
19, 28.702, 326.928

Protanomaly
19, 24.795, 299.147

Deuteranomaly
19, 19.047, 306.566

Tritanomaly
19, 17.074, 347.567

Monochromacy



Original Color
19, 28.702, 326.928

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 10.701, 325.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 28.702, 326.928 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(69, 32, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 32, 69)  
}
```

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(69, 32, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 32, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 28.702, 326.928 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(69, 32, 69) }
```

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

```
.border{ border-color:rgb(69, 32, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 32, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 32, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 32, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 32, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 28.702, 326.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 32, 69) }
```

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

```
.background{ background-color: rgb(69, 32,  
69) }
```

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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