

Converting Colors

CIELCh(19, 27.456, 325.917)

Have a look what the booklet for
CIELCh(19, 27.456, 325.917)
contains.

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Color

CIELCh(19, 27.841, 326.042)

Conversions

Conversions Part 1

Format	Color
Hex	442145
RGB	68, 33, 69
RGB Percent	27%, 13%, 27%
CMY	0.7333, 0.8706, 0.7294
CMYK	0.01, 0.52, 0.00, 0.73
HSL	298°, 35%, 20%
HSV	298°, 52%, 27%
XYZ	4.0026, 2.7468, 5.9502
YIQ	47.5690, 9.3040, 18.6160

Conversions

Conversions Part 2

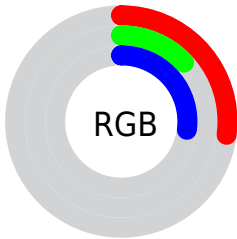
Format	Color
RYB	68, 33, 69
Decimal	4464965
CIELab	19.00, 23.09, -15.55
CIELCh	19, 27.841, 326.042
Yxy	2.7468, 0.3152, 0.2163
Android (android.graphics.Color)	4282655045 (0xFF442145)
YUV	47.5690, 10.5655, 17.9180
Hunter-Lab	16.5735, 14.1045, -9.6848

Details

The CIELCh color **19, 27.841, 326.042** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 27.881, 140.190**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 27.463, 326.112**, and **3, 16.756, 324.457** is the 20% darker color. If you saturate the color by 10%, you get **17, 32.522, 326.405**, and if you desaturate by 10%, it is **21, 22.771, 325.633**.

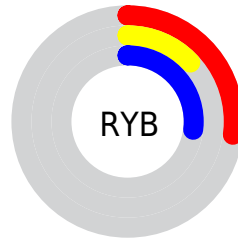
Distribution



Red (27%)

Green (13%)

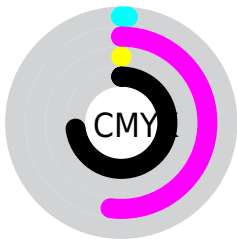
Blue (27%)



Red (27%)

Yellow (13%)

Blue (27%)

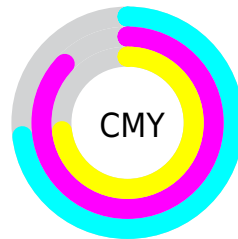


Cyan (1%)

Magenta (52%)

Yellow (0%)

Black (73%)



Cyan (73%)


Magenta (87%)


Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 27.841, 326.042 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, 27.841, 326.042 by changing the saturation by 10% instead.

 19, 27.841,
326.042

 19, 27.841,
326.042


 100, 27.841,
326.042


 9, 27.841, 326.042


 39, 27.841,
326.042

 0, 27.841, 326.042

 49, 27.841,
326.042


 59, 27.841,
326.042


 69, 27.841,
326.042


 79, 27.841,
326.042


 89, 27.841,


326.042


 99, 27.841,
326.042


 19, 27.841,
326.042


 19, 27.841,
326.042


 17, 32.522,
326.405


 21, 22.771,
325.633

 16, 36.650,
326.707


 23, 17.463,
325.192

 15, 40.060,
326.936

 25, 12.037,
324.730

 14, 42.865,
327.108

 27, 6.583, 324.254

 13, 45.172,
327.254

 29, 1.168, 323.703

 31, 4.163, 143.371

■ 33, 9.382, 142.907

■ 35, 14.473,
142.471

■ 38, 19.425,
142.057

Harmonies

Complementary

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



19, 27.841, 326.042



26, 27.881, 140.190

Rectangle

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



19, 27.841, 326.042



19, 27.841, 16.042



19, 27.841, 146.042



19, 27.841, 196.042

Sweetspot

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



19, 27.840, 326.042



34, 10.739, 324.468



15, 24.532, 295.504



16, 7.315, 324.510



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, 27.840, 326.042



23, 40.451, 326.513



18, 20.659, 346.492



13, 3.095, 324.081



22, 58.001, 327.201



53, 105.960, 327.124

Inverse Universe

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



18, 18.724, 22.375



21, 28.789, 25.058



26, 19.804, 157.222



13, 1.800, 17.528



19, 48.832, 34.529



47, 94.619, 39.124

Previews

White Background



This preview shows how the CIE LCh color 19, 27.841, 326.042 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, 27.841, 326.042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

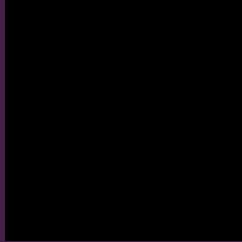
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 27.841, 326.042

Background



This preview shows how black text looks on a background with the CIELCh color 19, 27.841, 326.042.



This preview shows how white text looks on a background with the CIELCh color 19, 27.841, 326.042.

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, 27.841, 326.042

Protanopia

19, 23.406, 284.404

Deuteranopia

19, 14.522, 282.951



Tritanopia
19, 12.558, 13.249

Trichromacy



Original Color
19, 27.841, 326.042

Protanomaly
19, 24.127, 299.138

Deuteranomaly
19, 18.978, 305.354

Tritanomaly
19, 16.715, 346.459

Monochromacy



Original Color
19, 27.841, 326.042

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 10.436, 323.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 27.841, 326.042 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(68, 33, 69)` looks like.

```
.text, #text, p{  
    color:rgb(68, 33, 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(68, 33, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 33, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 27.841, 326.042 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(68, 33, 69) }
```

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

```
.border{ border-color:rgb(68, 33, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 33, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 33, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 33, 69);  
box-shadow:4px 4px 4px 4px rgb(68, 33, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 27.841, 326.042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 33, 69) }
```

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

```
.background{ background-color: rgb(68, 33,  
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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