

Converting Colors

CIELCh(19, 25.569, 333.517)

Have a look what the booklet for
CIELCh(19, 25.569, 333.517)
contains.

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Color

CIELCh(19, 25.248, 333.219)

Conversions

Conversions Part 1

Format	Color
Hex	46213F
RGB	70, 33, 63
RGB Percent	27%, 13%, 25%
CMY	0.7256, 0.8706, 0.7530
CMYK	0.00, 0.53, 0.10, 0.73
HSL	311°, 36%, 20%
HSV	311°, 53%, 27%
XYZ	3.9645, 2.7468, 5.0212
YIQ	47.4830, 12.4220, 17.1740

Conversions

Conversions Part 2

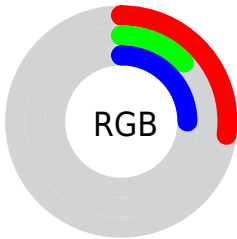
Format	Color
R_{YB}	70, 33, 63
Decimal	4596031
CIE Lab	19.00, 22.54, -11.38
CIE LCh	19, 25.248, 333.219
Yxy	2.7468, 0.3379, 0.2341
Android (android.graphics.Color)	4282786111 (0xFF46213F)
YUV	47.4830, 7.6499, 19.7474
Hunter-Lab	16.5735, 13.6948, -6.3615

Details

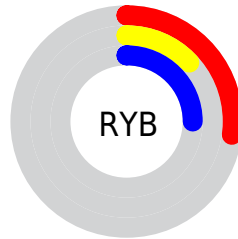
The CIELCh color **19, 25.248, 333.219** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 25.271, 146.073**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 25.138, 332.595**, and **3, 14.220, 334.928** is the 20% darker color. If you saturate the color by 10%, you get **17, 29.383, 333.851**, and if you desaturate by 10%, it is **21, 20.731, 332.604**.

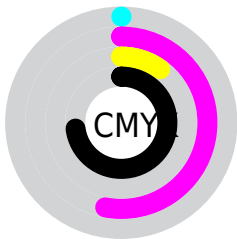
Distribution



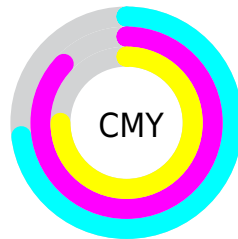
- Red (27%)
- Green (13%)
- Blue (25%)



- Red (27%)
- Yellow (13%)
- Blue (25%)



- Cyan (0%)
- Magenta (53%)
- Yellow (10%)
- Black (73%)





- Cyan (73%)
- Magenta (87%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 25.248, 333.219 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, 25.248, 333.219 by changing the saturation by 10% instead.

 19, 25.248,
333.219


 19, 25.248,
333.219


 100, 25.248,
333.219


 9, 25.248, 333.219


 39, 25.248,
333.219

 0, 25.248, 333.219

 49, 25.248,
333.219


 59, 25.248,
333.219


 69, 25.248,
333.219


 79, 25.248,
333.219


 89, 25.248,


333.219


 99, 25.248,
333.219


 19, 25.248,
333.219


 19, 25.248,
333.219


 17, 29.383,
333.851


 21, 20.731,
332.604

 16, 32.969,
334.505


 23, 15.983,
332.002

 15, 35.835,
335.192

 25, 11.121,
331.414

 14, 38.138,
335.896

 27, 6.234, 330.836

 13, 39.904,
336.360

 29, 1.382, 330.204

 31, 3.393, 149.822

■ 34, 8.065, 149.288

■ 36, 12.621,
148.794

■ 38, 17.055,
148.326

Harmonies

Complementary

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



19, 25.248, 333.219



26, 25.271, 146.073

Rectangle

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



19, 25.248, 333.219



19, 25.248, 23.219



19, 25.248, 153.219



19, 25.248, 203.219

Sweetspot

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



19, 25.247, 333.219



35, 9.728, 331.054



15, 26.162, 301.894



16, 6.474, 331.101



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, 25.247, 333.219



24, 36.599, 334.028



18, 19.257, 0.860



13, 2.738, 330.588



21, 50.418, 336.869



52, 91.180, 337.655

Inverse Universe

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



19, 25.247, 333.219



24, 36.599, 334.028



27, 16.882, 169.785



13, 2.738, 330.588



21, 50.418, 336.869



52, 91.180, 337.655

Previews

White Background



This preview shows how the CIE LCh color 19, 25.248, 333.219 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 CIELCh color 19, 25.248, 333.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

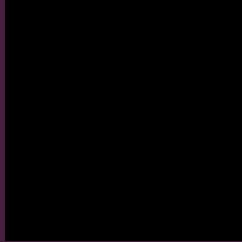
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 25.248, 333.219

Background



This preview shows how black text looks on a background with the CIELCh color 19, 25.248, 333.219.



This preview shows how white text looks on a background with the CIELCh color 19, 25.248, 333.219.

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, 25.248, 333.219

Protanopia

19, 18.593, 284.513

Deuteranopia

19, 10.281, 287.997



Tritanopia
19, 15.165, 15.636

Trichromacy



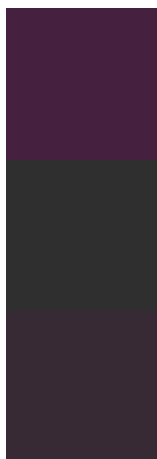
Original Color
19, 25.248, 333.219

Protanomaly
19, 19.581, 303.875

Deuteranomaly
19, 15.367, 312.850

Tritanomaly
19, 17.708, 354.667

Monochromacy



Original Color
19, 25.248, 333.219

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 9.631, 330.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 25.248, 333.219 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(70, 33, 63)` looks like.

```
.text, #text, p{  
    color:rgb(70, 33, 63)  
}
```

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(70, 33, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 33, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 25.248, 333.219 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(70, 33, 63) }
```

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

```
.border{ border-color:rgb(70, 33, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 33, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 33, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 33, 63);  
box-shadow:4px 4px 4px 4px rgb(70, 33, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 25.248, 333.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 33, 63) }
```

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

```
.background{ background-color: rgb(70, 33,  
63) }
```

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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