

Converting Colors

CIELCh(19, 60.454, 320.470)

Have a look what the booklet for
CIELCh(19, 60.454, 320.470)
contains.

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Color

CIELCh(19, 60.221, 320.569)

Conversions

Conversions Part 1

Format	Color
Hex	510167
RGB	81, 1, 103
RGB Percent	32%, 0%, 40%
CMY	0.6825, 0.9963, 0.5962
CMYK	0.21, 0.99, 0.00, 0.60
HSL	287°, 98%, 20%
HSV	287°, 99%, 40%
XYZ	5.8467, 2.7468, 13.0444
YIQ	36.5480, 14.9380, 48.6820

Conversions

Conversions Part 2

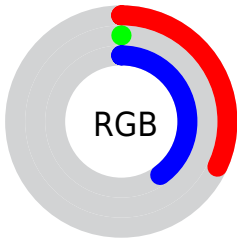
Format	Color
RYB	81, 1, 103
Decimal	5308775
CIELab	19.00, 46.51, -38.25
CIELCh	19, 60.221, 320.569
Yxy	2.7468, 0.2702, 0.1269
Android (android.graphics.Color)	4283498855 (0xFF510167)
YUV	36.5480, 32.7608, 38.9844
Hunter-Lab	16.5735, 33.9666, -35.0633

Details

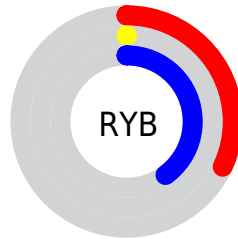
The CIELCh color **19, 60.221, 320.569** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **38, 59.494, 133.909**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 60.328, 320.548**, and **6, 39.249, 315.764** is the 20% darker color. If you saturate the color by 10%, you get **19, 60.532, 320.557**, and if you desaturate by 10%, it is **20, 57.040, 320.763**.

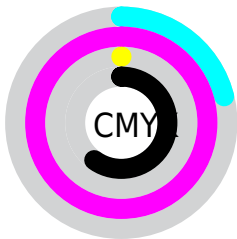
Distribution



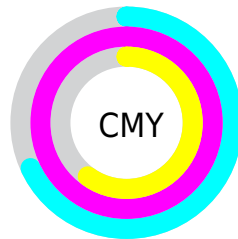
- Red (32%)
- Green (0%)
- Blue (40%)



- Red (32%)
- Yellow (0%)
- Blue (40%)



- Cyan (21%)
- Magenta (99%)
- Yellow (0%)
- Black (60%)





- Cyan (68%)
- Magenta (100%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 60.221, 320.569 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, 60.221, 320.569 by changing the saturation by 10% instead.

 19, 60.221,
320.569

 19, 60.221,
320.569


 100, 60.221,
320.569


 9, 60.221, 320.569

 39, 60.221,
320.569

 0, 60.221, 320.569

 49, 60.221,
320.569


 59, 60.221,
320.569


 69, 60.221,
320.569


 79, 60.221,
320.569


 89, 60.221,

320.569


 99, 60.221,
320.569


 19, 60.221,
320.569


 19, 60.221,
320.569


 19, 60.532,
320.557

 20, 57.040,
320.763

 22, 53.142,
320.873

 24, 48.022,
320.807

 26, 41.970,
320.603

 29, 35.283,
320.302

■ 32, 28.218,
319.938

■ 35, 20.972,
319.536

■ 38, 13.688,
319.118

■ 41, 6.462, 318.692

Harmonies

Complementary

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



19, 60.221, 320.569



38, 59.494, 133.909

Rectangle

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



19, 60.221, 320.569



19, 60.221, 10.569



19, 60.221, 140.569



19, 60.221, 190.569

Sweetspot

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



19, 60.220, 320.569



44, 26.653, 319.608



13, 55.517, 300.057



20, 18.048, 319.728



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



19, 60.220, 320.569



26, 72.577, 320.361



22, 48.248, 342.492



19, 3.966, 318.685



22, 65.388, 320.468



49, 113.612, 320.032

Inverse Universe

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



20, 45.710, 24.508



27, 55.866, 26.560



37, 53.320, 141.943



19, 2.544, 2.770



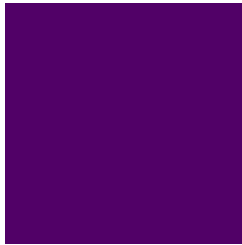
23, 50.017, 25.636



51, 89.256, 29.278

Previews

White Background



This preview shows how the CIE LCh color 19, 60.221, 320.569 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, 60.221, 320.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

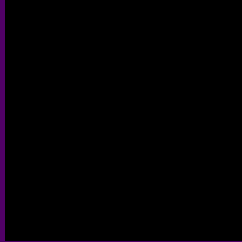
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 60.221, 320.569

Background



This preview shows how black text looks on a background with the CIELCh color 19, 60.221, 320.569.



This preview shows how white text looks on a background with the CIELCh color 19, 60.221, 320.569.

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, 60.221, 320.569

Protanopia

20, 36.908, 284.144

Deuteranopia

20, 27.166, 271.908



Tritanopia
20, 16.057, 16.227

Trichromacy



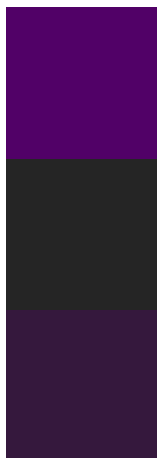
Original Color
19, 60.221, 320.569

Protanomaly
17, 48.625, 300.327

Deuteranomaly
16, 42.119, 298.451

Tritanomaly
18, 31.738, 334.678

Monochromacy



Original Color
19, 60.221, 320.569

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 28.028, 320.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 60.221, 320.569 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(81, 1, 103)` looks like.

```
.text, #text, p{  
    color:rgb(81, 1, 103)  
}
```

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(81, 1, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 1, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 60.221, 320.569 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(81, 1, 103) }
```

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

```
.border{ border-color:rgb(81, 1, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 1, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 1, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 1, 103);  
box-shadow:4px 4px 4px 4px rgb(81, 1, 103)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 60.221, 320.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 1, 103) }
```

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

```
.background{ background-color: rgb(81, 1,  
103) }
```

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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