

Converting Colors

CIELCh(19, 40.685, 329.227)

Have a look what the booklet for
CIELCh(19, 40.685, 329.227)
contains.

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Color

CIELCh(19, 40.536, 329.337)

Conversions

Conversions Part 1

Format	Color
Hex	50154D
RGB	80, 21, 77
RGB Percent	31%, 8%, 30%
CMY	0.6875, 0.9190, 0.6992
CMYK	0.00, 0.74, 0.04, 0.69
HSL	303°, 59%, 20%
HSV	303°, 74%, 31%
XYZ	4.8717, 2.7468, 7.2378
YIQ	45.0250, 17.1880, 29.9240

Conversions

Conversions Part 2

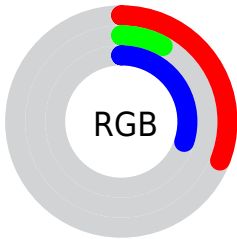
Format	Color
R_{YB}	80, 21, 77
Decimal	5248333
CIE _{Lab}	19.00, 34.87, -20.67
CIE _{LCh}	19, 40.536, 329.337
Yxy	2.7468, 0.3279, 0.1849
Android (android.graphics.Color)	4283438413 (0xFF50154D)
YUV	45.0250, 15.7637, 30.6731
Hunter-Lab	16.5735, 23.4650, -14.2911




Details

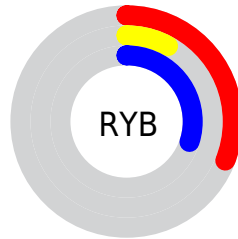
The CIELCh color **19, 40.536, 329.337** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 41.397, 139.566**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 40.273, 329.290**, and **4, 25.167, 329.986** is the 20% darker color. If you saturate the color by 10%, you get **18, 43.831, 329.681**, and if you desaturate by 10%, it is **20, 36.343, 328.945**.

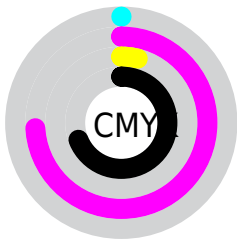
Distribution







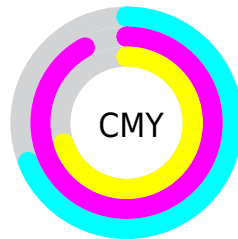
-  Red (31%)
-  Green (8%)
-  Blue (30%)






-  Red (31%)
-  Yellow (8%)
-  Blue (30%)



-  Cyan (0%)
-  Magenta (74%)
-  Yellow (4%)
-  Black (69%)





-  Cyan (69%)
-  Magenta (92%)
-  Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 40.536, 329.337 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, 40.536, 329.337 by changing the saturation by 10% instead.

 19, 40.536,
329.337

 19, 40.536,
329.337

 100, 40.536,
329.337

 9, 40.536, 329.337


 39, 40.536,
329.337

 0, 40.536, 329.337

 49, 40.536,
329.337


 59, 40.536,
329.337


 69, 40.536,
329.337


 79, 40.536,
329.337


 89, 40.536,


329.337


 99, 40.536,
329.337


 19, 40.536,
329.337


 19, 40.536,
329.337


 18, 43.831,
329.681


 20, 36.343,
328.945


 17, 46.378,
329.985

 22, 31.440,
328.511

 17, 47.935,
330.161

 24, 26.024,
328.043

 26, 20.277,
327.549

 28, 14.352,
327.041

■ 31, 8.367, 326.523

■ 33, 2.407, 325.972

■ 35, 3.470, 145.570

■ 38, 9.227, 145.058

Harmonies

Complementary

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



19, 40.536, 329.337



29, 41.397, 139.566

Rectangle

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



19, 40.536, 329.337



19, 40.536, 19.337



19, 40.536, 149.337



19, 40.536, 199.337

Sweetspot

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



19, 40.535, 329.337



38, 16.422, 326.976



11, 42.114, 302.021



18, 11.125, 327.049



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 40.535, 329.337



24, 55.267, 329.927



18, 30.206, 355.616



15, 3.382, 326.241



23, 57.792, 330.236



54, 103.369, 330.383

Inverse Universe

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



19, 40.535, 329.337



24, 55.267, 329.927



30, 27.982, 158.361



15, 3.382, 326.241



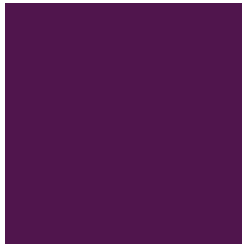
23, 57.792, 330.236



54, 103.369, 330.383

Previews

White Background



This preview shows how the CIE LCh color 19, 40.536, 329.337 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, 40.536, 329.337 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, 40.536, 329.337

Background



This preview shows how black text looks on a background with the CIELCh color 19, 40.536, 329.337.



This preview shows how white text looks on a background with the CIELCh color 19, 40.536, 329.337.

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, 40.536, 329.337

Protanopia

19, 35.791, 284.013

Deuteranopia

20, 17.349, 279.776



Tritanopia
19, 20.491, 21.078

Trichromacy



Original Color
19, 40.536, 329.337

Protanomaly
17, 36.555, 295.260

Deuteranomaly
18, 25.356, 307.772

Tritanomaly
19, 25.010, 353.295

Monochromacy



Original Color
19, 40.536, 329.337

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 17.366, 327.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 40.536, 329.337 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(80, 21, 77)` looks like.

```
.text, #text, p{  
    color:rgb(80, 21, 77)  
}
```

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(80, 21, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 21, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 40.536, 329.337 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(80, 21, 77) }
```

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

```
.border{ border-color:rgb(80, 21, 77) }
```

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

Here you see how a box with a 4 pixel rgb(80, 21, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 21, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 21, 77);  
box-shadow:4px 4px 4px 4px rgb(80, 21, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 40.536, 329.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 21, 77) }
```

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

```
.background{ background-color: rgb(80, 21,  
77) }
```

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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