

Converting Colors

CIE LCh(19, 19.197, 314.230)

Have a look what the booklet for
CIELCh(19, 19.197, 314.230)
contains.

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Color

CIELCh(19, 19.053, 314.519)

Conversions

Conversions Part 1

Format	Color
Hex	382842
RGB	56, 40, 66
RGB Percent	22%, 16%, 26%
CMY	0.7806, 0.8433, 0.7414
CMYK	0.15, 0.39, 0.00, 0.74
HSL	277°, 25%, 21%
HSV	277°, 39%, 26%
XYZ	3.3676, 2.7468, 5.4996
YIQ	47.7480, 1.1900, 11.4780

Conversions

Conversions Part 2

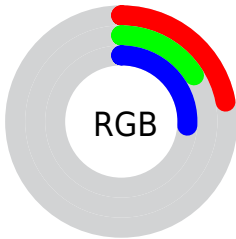
Format	Color
R_{YB}	56, 40, 66
Decimal	3680322
CIE _{Lab}	19.00, 13.36, -13.59
CIE _{LCh}	19, 19.053, 314.519
Yxy	2.7468, 0.2900, 0.2365
Android (android.graphics.Color)	4281870402 (0xFF382842)
YUV	47.7480, 8.9982, 7.2370
Hunter-Lab	16.5735, 7.2655, -8.0728

Details

The CIELCh color **19, 19.053, 314.519** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 18.388, 131.387**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 19.205, 314.210**, and **1, 12.485, 303.008** is the 20% darker color. If you saturate the color by 10%, you get **17, 23.969, 314.909**, and if you desaturate by 10%, it is **21, 14.122, 314.115**.

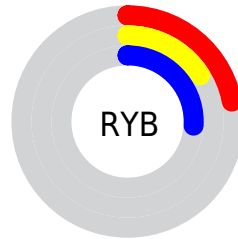
Distribution



 Red (22%)


 Green (16%)

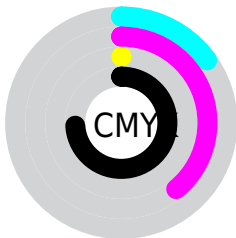
 Blue (26%)




 Red (22%)

 Yellow (16%)

 Blue (26%)

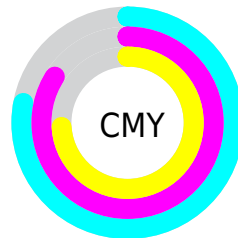


 Cyan (15%)

 Magenta (39%)

 Yellow (0%)

 Black (74%)



 Cyan (78%)


 Magenta (84%)


 Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 19.053, 314.519 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, 19.053, 314.519 by changing the saturation by 10% instead.

 19, 19.053,
314.519


 19, 19.053,
314.519


 100, 19.053,
314.519


 9, 19.053, 314.519


 39, 19.053,
314.519

 0, 19.053, 314.519

 49, 19.053,
314.519


 59, 19.053,
314.519


 69, 19.053,
314.519


 79, 19.053,
314.519


 89, 19.053,


314.519


 99, 19.053,
314.519

 19, 19.053,
314.519


 19, 19.053,
314.519

 17, 23.969,
314.909


 21, 14.122,
314.115

 15, 28.785,
315.263


 23, 9.237, 313.714

 13, 33.370,
315.546

 26, 4.434, 313.321

 11, 37.549,
315.715

 28, 0.268, 133.238

 10, 41.256,
315.770

 33, 9.327, 132.332

■ 8, 45.456, 316.064

■ 35, 13.679,
132.045

■ 8, 45.720, 316.087

■ 37, 17.915,
131.785

■ 40, 22.038,
131.552

Harmonies

Complementary

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



19, 19.053, 314.519



26, 18.388, 131.387

Rectangle

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



19, 19.053, 314.519



19, 19.053, 4.519



19, 19.053, 134.519



19, 19.053, 184.519

Sweetspot

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



19, 19.052, 314.519



33, 7.117, 313.443



21, 11.171, 271.145



15, 4.648, 313.455



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 19.052, 314.519



24, 28.617, 314.896



20, 19.337, 329.290



12, 2.628, 313.286



14, 59.653, 315.496



39, 110.657, 314.699

Inverse Universe

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



20, 13.973, 354.137



25, 20.952, 355.414



25, 19.334, 144.666



12, 1.915, 350.979



19, 41.622, 9.567



48, 77.381, 13.906

Previews

White Background



This preview shows how the CIE LCh color 19, 19.053, 314.519 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, 19.053, 314.519 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, 19.053, 314.519

Background



This preview shows how black text looks on a background with the CIELCh color 19, 19.053, 314.519.



This preview shows how white text looks on a background with the CIELCh color 19, 19.053, 314.519.

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

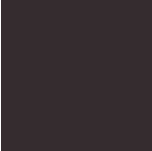
19, 19.053, 314.519

Protanopia

19, 17.224, 284.374

Deuteranopia

19, 13.139, 282.959



Tritanopia
19, 4.766, 355.045

Trichromacy



Original Color
19, 19.053, 314.519

Protanomaly
19, 17.156, 295.482

Deuteranomaly
19, 14.460, 296.785

Tritanomaly
19, 9.076, 325.374

Monochromacy



Original Color
19, 19.053, 314.519

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 7.391, 313.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 19.053, 314.519 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(56, 40, 66)` looks like.

```
.text, #text, p{  
    color:rgb(56, 40, 66)  
}
```

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(56, 40, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 40, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 19.053, 314.519 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(56, 40, 66) }
```

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

```
.border{ border-color:rgb(56, 40, 66) }
```

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

Here you see how a box with a 4 pixel rgb(56, 40, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 40, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 40, 66);  
box-shadow:4px 4px 4px 4px rgb(56, 40, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 19.053, 314.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 40, 66) }
```

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

```
.background{ background-color: rgb(56, 40,  
66) }
```

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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