

Converting Colors

CIELCh(19, 36.867, 311.939)

Have a look what the booklet for
CIELCh(19, 36.867, 311.939)
contains.

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Color

CIELCh(19, 36.907, 312.210)

Conversions

Conversions Part 1

Format	Color
Hex	3C2156
RGB	60, 33, 86
RGB Percent	24%, 13%, 34%
CMY	0.7636, 0.8696, 0.6617
CMYK	0.30, 0.61, 0.00, 0.66
HSL	271°, 44%, 23%
HSV	271°, 61%, 34%
XYZ	4.1213, 2.7468, 9.1747
YIQ	47.1150, -0.9210, 22.2070

Conversions

Conversions Part 2

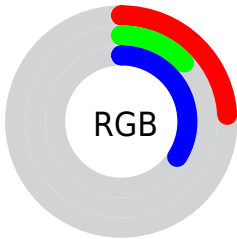
Format	Color
R_{YB}	60, 33, 86
Decimal	3940694
CIE _{Lab}	19.00, 24.80, -27.34
CIE _{LCh}	19, 36.907, 312.210
Yxy	2.7468, 0.2569, 0.1712
Android (android.graphics.Color)	4282130774 (0xFF3C2156)
YUV	47.1150, 19.1703, 11.3001
Hunter-Lab	16.5735, 15.3833, -21.2200

Details

The CIELCh color **19, 36.907, 312.210** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **33, 33.989, 126.875**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 36.493, 311.942**, and **3, 26.504, 304.447** is the 20% darker color. If you saturate the color by 10%, you get **16, 42.643, 312.576**, and if you desaturate by 10%, it is **22, 30.869, 311.761**.

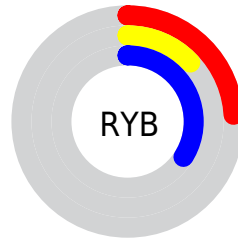
Distribution



Red (24%)

Green (13%)

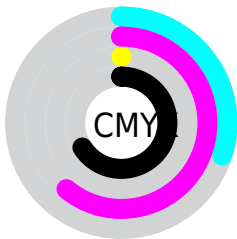
Blue (34%)



Red (24%)

Yellow (13%)

Blue (34%)

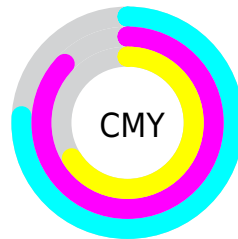


Cyan (30%)

Magenta (61%)

Yellow (0%)

Black (66%)



Cyan (76%)


Magenta (87%)


Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 36.907, 312.210 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, 36.907, 312.210 by changing the saturation by 10% instead.

 19, 36.907,
312.210


 19, 36.907,
312.210


 100, 36.907,
312.210


 9, 36.907, 312.210


 39, 36.907,
312.210

 0, 36.907, 312.210

 49, 36.907,
312.210


 59, 36.907,
312.210


 69, 36.907,
312.210


 79, 36.907,
312.210


 89, 36.907,


312.210


 99, 36.907,
312.210


 19, 36.907,
312.210


 19, 36.907,
312.210


 16, 42.643,
312.576


 22, 30.869,
311.761


 14, 47.807,
312.792

 25, 24.721,
311.276

 12, 52.147,
312.808

 27, 18.585,
310.786

 11, 56.110,
312.999

 30, 12.534,
310.312

 33, 6.611, 309.863

■ 36, 0.836, 309.383

■ 39, 4.780, 129.102

■ 42, 10.236,
128.758

■ 45, 15.536,
128.454

Harmonies

Complementary

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



19, 36.907, 312.210



33, 33.989, 126.875

Rectangle

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



19, 36.907, 312.210



19, 36.907, 2.210



19, 36.907, 132.210



19, 36.907, 182.210

Sweetspot

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



19, 36.906, 312.210



41, 13.011, 310.181



24, 19.056, 266.815



19, 8.964, 310.266



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 36.906, 312.210



22, 54.474, 312.708



23, 38.727, 327.305



16, 3.230, 309.746



15, 65.430, 312.687



38, 117.100, 311.947

Inverse Universe

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



22, 28.142, 350.660



26, 40.140, 353.427



32, 39.060, 139.638



16, 2.578, 344.793



22, 44.883, 0.566



50, 79.386, 3.662

Previews

White Background



This preview shows how the CIE LCh color 19, 36.907, 312.210 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, 36.907, 312.210 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, 36.907, 312.210

Background



This preview shows how black text looks on a background with the CIELCh color 19, 36.907, 312.210.



This preview shows how white text looks on a background with the CIELCh color 19, 36.907, 312.210.

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, 36.907, 312.210

Protanopia
19, 35.230, 283.944

Deuteranopia
19, 25.559, 275.514



Tritanopia
19, 5.077, 348.016

Trichromacy



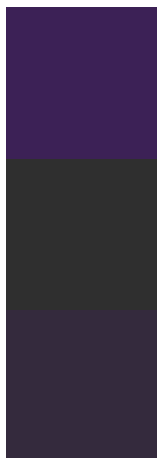
Original Color
19, 36.907, 312.210

Protanomaly
18, 35.066, 290.390

Deuteranomaly
18, 28.903, 289.781

Tritanomaly
19, 16.609, 317.914

Monochromacy



Original Color
19, 36.907, 312.210

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 13.796, 311.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 36.907, 312.210 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(60, 33, 86)` looks like.

```
.text, #text, p{  
    color:rgb(60, 33, 86)  
}
```

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(60, 33, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 33, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 36.907, 312.210 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(60, 33, 86) }
```

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

```
.border{ border-color:rgb(60, 33, 86) }
```

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

Here you see how a box with a 4 pixel rgb(60, 33, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 33, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 33, 86);  
box-shadow:4px 4px 4px 4px rgb(60, 33, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 36.907, 312.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 33, 86) }
```

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

```
.background{ background-color: rgb(60, 33,  
86) }
```

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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