

Converting Colors

CIELCh(19, 73.142, 310.353)

Have a look what the booklet for
CIELCh(19, 73.142, 310.353)
contains.

CIELCh(19, 73.142, 310.353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 73.142, 310.353)

Conversions

Conversions Part 1

Format	Color
Hex	3B0A82
RGB	59, 10, 130
RGB Percent	23%, 4%, 51%
CMY	0.7692, 0.9615, 0.4907
CMYK	0.55, 0.92, 0.00, 0.49
HSL	265°, 86%, 27%
HSV	265°, 92%, 51%
XYZ	5.9221, 2.7468, 21.2906
YIQ	38.3310, -9.3160, 47.7080

Conversions

Conversions Part 2

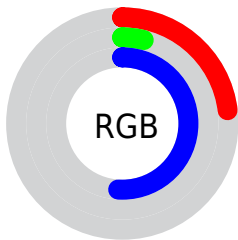
Format	Color
R_{YB}	59, 10, 130
Decimal	3869314
CIE _{Lab}	19.00, 47.36, -55.74
CIE _{LCh}	19, 73.142, 310.353
Yxy	2.7468, 0.1977, 0.0917
Android (android.graphics.Color)	4282059394 (0xFF3B0A82)
YUV	38.3310, 45.1928, 18.1267
Hunter-Lab	16.5735, 34.7788, -64.5635




Details

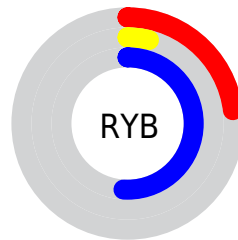
The CIELCh color **19, 73.142, 310.353** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **49, 61.563, 123.675**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 73.162, 310.345**, and **5, 55.479, 305.160** is the 20% darker color. If you saturate the color by 10%, you get **17, 76.845, 310.340**, and if you desaturate by 10%, it is **22, 67.584, 310.341**.

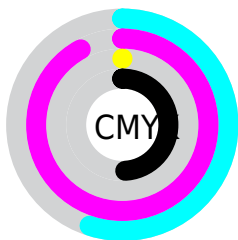
Distribution







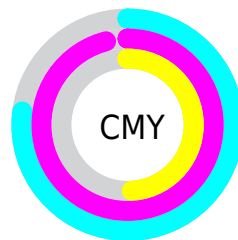
-  Red (23%)
-  Green (4%)
-  Blue (51%)






-  Red (23%)
-  Yellow (4%)
-  Blue (51%)



-  Cyan (55%)
-  Magenta (92%)
-  Yellow (0%)
-  Black (49%)





-  Cyan (77%)
-  Magenta (96%)
-  Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 73.142, 310.353 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, 73.142, 310.353 by changing the saturation by 10% instead.

 19, 73.142,
310.353

 19, 73.142,
310.353


 100, 73.142,
310.353


 9, 73.142, 310.353


 39, 73.142,
310.353

 0, 73.142, 310.353

 49, 73.142,
310.353


 59, 73.142,
310.353


 69, 73.142,
310.353


 79, 73.142,
310.353


 89, 73.142,


310.353


 99, 73.142,
310.353

 19, 73.142,
310.353


 19, 73.142,
310.353


 17, 76.845,
310.340

 22, 67.584,
310.341

 25, 60.443,
310.007

 28, 52.351,
309.477

 32, 43.806,
308.851

 36, 35.134,
308.198

■ 40, 26.528,
307.561

■ 45, 18.093,
306.961

■ 49, 9.880, 306.410

■ 53, 1.912, 305.889

Harmonies

Complementary

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



19, 73.142, 310.353



49, 61.563, 123.675

Rectangle

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



19, 73.142, 310.353



19, 73.142, 0.353



19, 73.142, 130.353



19, 73.142, 180.353

Sweetspot

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



19, 73.142, 310.354



54, 28.156, 307.327



33, 32.686, 267.369



26, 19.445, 307.551



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



19, 73.142, 310.354



24, 93.117, 310.094



29, 68.563, 324.557



25, 4.388, 306.236



17, 75.815, 310.360



0, 0.000, 0.000

Inverse Universe

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



28, 52.033, 350.714



36, 63.861, 353.389



47, 69.752, 135.656



25, 3.827, 339.652



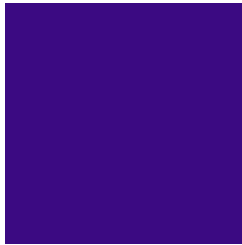
27, 52.371, 352.548



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 19, 73.142, 310.353 looks on a white background.

Color Contrast Check

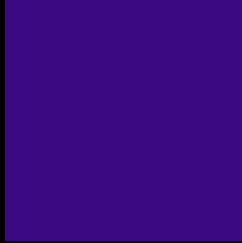
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.142, 310.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

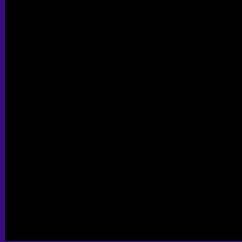
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 73.142, 310.353

Background



This preview shows how black text looks on a background with the CIELCh color 19, 73.142, 310.353.



This preview shows how white text looks on a background with the CIELCh color 19, 73.142, 310.353.

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

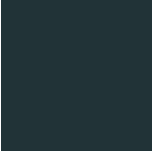
19, 73.142, 310.353

Protanopia

20, 35.107, 283.050

Deuteranopia

20, 24.906, 268.472



Tritanopia
20, 7.791, 218.743

Trichromacy



Original Color
19, 73.142, 310.353

Protanomaly
17, 52.365, 298.865

Deuteranomaly
17, 45.301, 296.518

Tritanomaly
17, 31.875, 301.000

Monochromacy



Original Color
19, 73.142, 310.353

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 30.806, 309.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 73.142, 310.353 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(59, 10, 130)` looks like.

```
.text, #text, p{  
    color:rgb(59, 10, 130)  
}
```

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(59, 10, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 10, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 73.142, 310.353 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(59, 10, 130) }
```

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

```
.border{ border-color:rgb(59, 10, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 10, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 10, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 10, 130);  
box-shadow:4px 4px 4px 4px rgb(59, 10,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 73.142, 310.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 10, 130) }
```

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

```
.background{ background-color: rgb(59, 10,  
130) }
```

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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