

Converting Colors

CIELCh(18, 76.277, 311.144)

Have a look what the booklet for
CIELCh(18, 76.277, 311.144)
contains.

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Color

CIELCh(18, 76.313, 311.071)

Conversions

Conversions Part 1

Format	Color
Hex	3A0082
RGB	58, 0, 130
RGB Percent	23%, 0%, 51%
CMY	0.7722, 0.9997, 0.4899
CMYK	0.55, 1.00, 0.00, 0.49
HSL	267°, 100%, 26%
HSV	267°, 100%, 51%
XYZ	5.7859, 2.5180, 21.3284
YIQ	32.1620, -7.1620, 52.7260

Conversions

Conversions Part 2

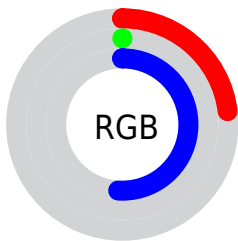
Format	Color
R_{YB}	58, 0, 130
Decimal	3801218
CIE _{Lab}	18.00, 50.14, -57.53
CIE _{LCh}	18, 76.313, 311.071
Yxy	2.5180, 0.1953, 0.0850
Android (android.graphics.Color)	4281991298 (0xFF3A0082)
YUV	32.1620, 48.2341, 22.6599
Hunter-Lab	15.8683, 37.3145, -68.5831

Details

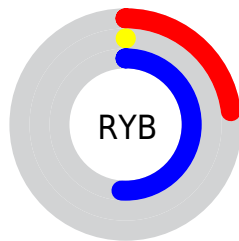
The CIELCh color **18, 76.313, 311.071** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **49, 64.751, 125.664**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 75.961, 311.077**, and **5, 55.479, 305.160** is the 20% darker color. If you saturate the color by 10%, you get **18, 76.346, 311.072**, and if you desaturate by 10%, it is **20, 71.612, 311.213**.

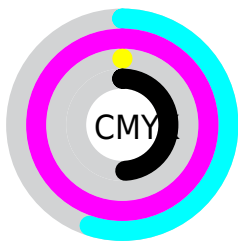
Distribution



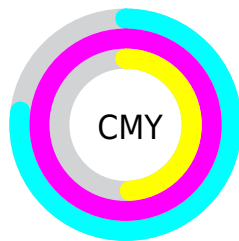
- Red (23%)
- Green (0%)
- Blue (51%)



- Red (23%)
- Yellow (0%)
- Blue (51%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (49%)





- Cyan (77%)
- Magenta (100%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 76.313, 311.071 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 18, 76.313, 311.071 by changing the saturation by 10% instead.

 18, 76.313,
311.071


 18, 76.313,
311.071


 100, 76.313,
311.071


 8, 76.313, 311.071


 38, 76.313,
311.071

 0, 76.313, 311.071

 48, 76.313,
311.071


 58, 76.313,
311.071


 68, 76.313,
311.071


 78, 76.313,
311.071


 88, 76.313,


311.071


 98, 76.313,
311.071


 18, 76.313,
311.071


 18, 76.313,
311.071


 18, 76.346,
311.072

 20, 71.612,
311.213

 23, 65.770,
311.195

 26, 58.488,
310.890

 30, 50.350,
310.411

 34, 41.804,
309.846

■ 38, 33.148,
309.254

■ 42, 24.558,
308.673

■ 46, 16.135,
308.123

■ 50, 7.926, 307.614

Harmonies

Complementary

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



18, 76.313, 311.071



49, 64.751, 125.664

Rectangle

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



18, 76.313, 311.071



18, 76.313, 1.071



18, 76.313, 131.071



18, 76.313, 181.071

Sweetspot

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



18, 76.314, 311.072



53, 30.408, 308.715



31, 37.283, 275.104



25, 20.739, 308.917



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



18, 76.314, 311.072



25, 92.393, 310.821



29, 70.379, 325.702



26, 4.565, 307.575



18, 76.333, 311.072



0, 1.080, 307.167

Inverse Universe

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



27, 52.322, 355.816



36, 62.957, 356.717



47, 72.256, 135.600



26, 3.852, 341.515



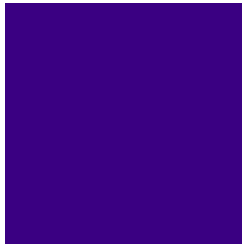
27, 52.324, 355.833



0, 0.914, 340.861

Previews

White Background



This preview shows how the CIE LCh color 18, 76.313, 311.071 looks on a white background.

Color Contrast Check

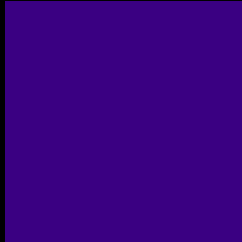
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 76.313, 311.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

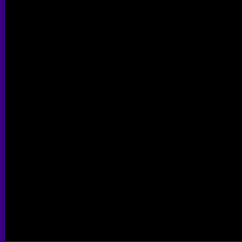
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 76.313, 311.071

Background



This preview shows how black text looks on a background with the CIELCh color 18, 76.313, 311.071.



This preview shows how white text looks on a background with the CIELCh color 18, 76.313, 311.071.

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

18, 76.313, 311.071

Protanopia

19, 35.167, 283.496

Deuteranopia

19, 24.335, 267.951



Tritanopia
20, 8.127, 217.802

Trichromacy



Original Color
18, 76.313, 311.071

Protanomaly
16, 54.555, 300.418

Deuteranomaly
16, 46.963, 298.330

Tritanomaly
16, 34.883, 302.921

Monochromacy



Original Color
18, 76.313, 311.071

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 34.663, 310.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 76.313, 311.071 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(58, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(58, 0, 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(58, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 0, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 76.313, 311.071 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(58, 0, 130) }
```

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

```
.border{ border-color:rgb(58, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(58, 0, 130)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 76.313, 311.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 0, 130) }
```

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

```
.background{ background-color: rgb(58, 0,  
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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