

Converting Colors

CIELCh(18, 87.297, 307.664)

Have a look what the booklet for
CIELCh(18, 87.297, 307.664)
contains.

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Color

CIELCh(18, 86.943, 307.640)

Conversions

Conversions Part 1

Format	Color
Hex	230194
RGB	35, 1, 148
RGB Percent	14%, 0%, 58%
CMY	0.8626, 0.9961, 0.4196
CMYK	0.76, 0.99, 0.00, 0.42
HSL	254°, 99%, 29%
HSV	254°, 99%, 58%
XYZ	6.0509, 2.5180, 28.1884
YIQ	27.9240, -26.9230, 52.9250

Conversions

Conversions Part 2

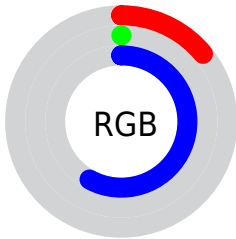
Format	Color
R_{YB}	35, 1, 148
Decimal	2294164
CIE _{Lab}	18.00, 53.10, -68.85
CIE _{LCh}	18, 86.943, 307.640
Yxy	2.5180, 0.1646, 0.0685
Android (android.graphics.Color)	4280484244 (0xFF230194)
YUV	27.9240, 59.1975, 6.2057
Hunter-Lab	15.8683, 40.2960, -94.2145

Details

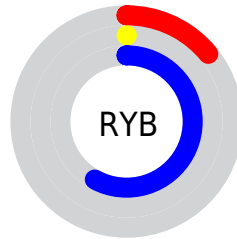
The CIELCh color **18, 86.943, 307.640** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **57, 66.568, 116.153**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 86.771, 307.716**, and **8, 65.420, 306.275** is the 20% darker color. If you saturate the color by 10%, you get **18, 87.326, 307.679**, and if you desaturate by 10%, it is **20, 81.432, 307.271**.

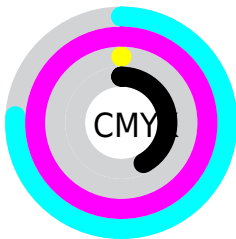
Distribution



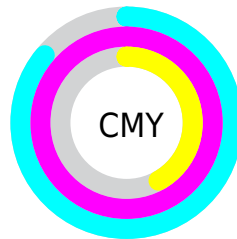
- Red (14%)
- Green (0%)
- Blue (58%)



- Red (14%)
- Yellow (0%)
- Blue (58%)



- Cyan (76%)
- Magenta (99%)
- Yellow (0%)
- Black (42%)





- Cyan (86%)
- Magenta (100%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 86.943, 307.640 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, 86.943, 307.640 by changing the saturation by 10% instead.

 18, 86.943,
307.640

 18, 86.943,
307.640

 100, 86.943,
307.640


 8, 86.943, 307.640


 38, 86.943,
307.640

 0, 86.943, 307.640

 48, 86.943,
307.640

 58, 86.943,
307.640


 68, 86.943,
307.640


 78, 86.943,
307.640


 88, 86.943,


307.640

 98, 86.943,
307.640


 18, 86.943,
307.640


 18, 86.943,
307.640

 18, 87.326,
307.679

 20, 81.432,
307.271

 24, 74.030,
306.605

 28, 65.029,
305.628

 32, 55.302,
304.522

 37, 45.400,
303.409

■ 42, 35.620,
302.359

■ 47, 26.099,
301.405

■ 52, 16.889,
300.555

■ 57, 8.004, 299.808

Harmonies

Complementary

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



18, 86.943, 307.640



57, 66.568, 116.153

Rectangle

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



18, 86.943, 307.640



18, 86.943, 357.640



18, 86.943, 127.640



18, 86.943, 177.640

Sweetspot

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



18, 86.944, 307.641



59, 32.983, 301.521



45, 29.440, 238.134



28, 22.836, 301.879



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



18, 86.944, 307.641



25, 105.745, 307.527



27, 79.284, 318.081



29, 4.846, 299.799



16, 82.792, 307.731



0, 4.174, 299.200

Inverse Universe

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



33, 64.569, 339.797



43, 77.867, 340.170



54, 76.762, 133.212



29, 4.915, 332.192



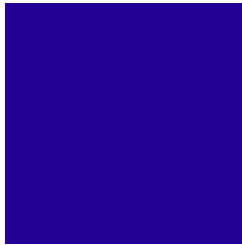
30, 61.405, 339.783



1, 4.270, 331.650

Previews

White Background



This preview shows how the CIELCh color 18, 86.943, 307.640 looks on a white background.

Color Contrast Check

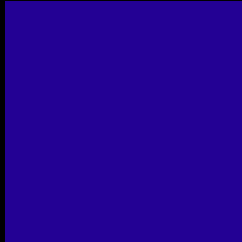
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 86.943, 307.640 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, 86.943, 307.640

Background



This preview shows how black text looks on a background with the CIELCh color 18, 86.943, 307.640.



This preview shows how white text looks on a background with the CIELCh color 18, 86.943, 307.640.

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, 86.943, 307.640

Protanopia

19, 34.543, 282.961

Deuteranopia

19, 23.787, 266.804



Tritanopia
19, 16.168, 201.412

Trichromacy



Original Color
18, 86.943, 307.640

Protanomaly
17, 57.672, 299.773

Deuteranomaly
16, 50.169, 297.555

Tritanomaly
15, 38.471, 292.801

Monochromacy



Original Color
18, 86.943, 307.640

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 38.823, 305.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 86.943, 307.640 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(35, 1, 148)` looks like.

```
.text, #text, p{  
    color:rgb(35, 1, 148)  
}
```

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(35, 1, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 1, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 86.943, 307.640 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(35, 1, 148) }
```

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

```
.border{ border-color:rgb(35, 1, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 1, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 1, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 1, 148);  
box-shadow:4px 4px 4px 4px rgb(35, 1, 148)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 86.943, 307.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 1, 148) }
```

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

```
.background{ background-color: rgb(35, 1,  
148) }
```

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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