

Converting Colors

CIELCh(18, 88.289, 307.750)

Have a look what the booklet for
CIELCh(18, 88.289, 307.750)
contains.

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Color

CIELCh(18, 88.170, 307.690)

Conversions

Conversions Part 1

Format	Color
Hex	220095
RGB	34, 0, 149
RGB Percent	13%, 0%, 58%
CMY	0.8659, 1.0000, 0.4137
CMYK	0.77, 1.00, 0.00, 0.41
HSL	254°, 100%, 29%
HSV	254°, 100%, 59%
XYZ	6.1249, 2.5180, 28.8063
YIQ	27.1520, -27.5650, 53.5470

Conversions

Conversions Part 2

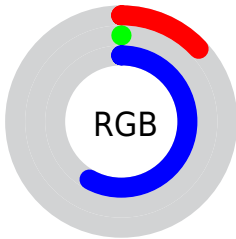
Format	Color
RYB	34, 0, 149
Decimal	2228373
CIELab	18.00, 53.91, -69.77
CIElCh	18, 88.170, 307.690
Yxy	2.5180, 0.1636, 0.0672
Android (android.graphics.Color)	4280418453 (0xFF220095)
YUV	27.1520, 60.0711, 6.0057
Hunter-Lab	15.8683, 41.1281, -96.5230

Details

The CIELCh color **18, 88.170, 307.690** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **57, 67.194, 116.056**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 87.845, 307.497**, and **8, 65.912, 306.284** is the 20% darker color. If you saturate the color by 10%, you get **18, 88.010, 307.645**, and if you desaturate by 10%, it is **20, 82.528, 307.265**.

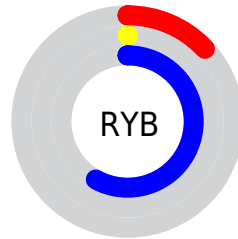
Distribution



Red (13%)

Green (0%)

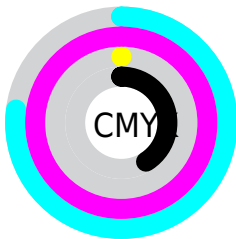
Blue (58%)



Red (13%)

Yellow (0%)

Blue (58%)

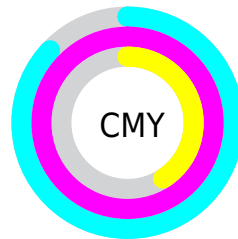


Cyan (77%)

Magenta (100%)

Yellow (0%)

Black (41%)



Cyan (87%)

Magenta (100%)

Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 88.170, 307.690 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, 88.170, 307.690 by changing the saturation by 10% instead.

 18, 88.170,
307.690

 18, 88.170,
307.690

 100, 88.170,
307.690


 8, 88.170, 307.690

 38, 88.170,
307.690

 0, 88.170, 307.690

 48, 88.170,
307.690

 58, 88.170,
307.690

 68, 88.170,
307.690

 78, 88.170,
307.690

 88, 88.170,


307.690


 98, 88.170,
307.690


 18, 88.170,
307.690


 18, 88.170,
307.690

 18, 88.010,
307.645

 20, 82.528,
307.265

 24, 75.219,
306.619

 28, 66.220,
305.646

 32, 56.435,
304.533

 37, 46.447,
303.408

■ 42, 36.570,
302.344

■ 47, 26.949,
301.375

■ 52, 17.642,
300.512

■ 57, 8.663, 299.753

Harmonies

Complementary

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



18, 88.170, 307.690



57, 67.194, 116.056

Rectangle

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



18, 88.170, 307.690



18, 88.170, 357.690



18, 88.170, 127.690



18, 88.170, 177.690

Sweetspot

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



18, 88.010, 307.645



60, 33.335, 301.430



46, 29.727, 238.417



28, 22.832, 301.788



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, 88.010, 307.645



25, 106.846, 307.494



28, 80.098, 318.046



29, 4.844, 299.697



16, 82.825, 307.702



0, 4.173, 299.094

Inverse Universe

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



33, 65.247, 339.714



44, 78.785, 340.004



54, 77.562, 133.240



29, 4.924, 332.090



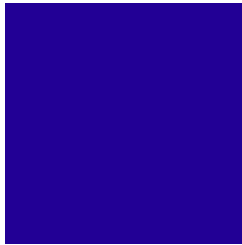
30, 61.525, 339.610



1, 4.279, 331.549

Previews

White Background



This preview shows how the CIE LCh color 18, 88.170, 307.690 looks on a white background.

Color Contrast Check

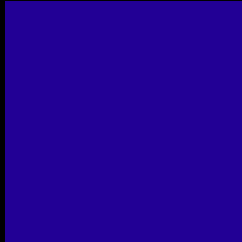
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.170, 307.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

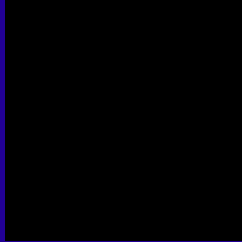
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 88.170, 307.690

Background



This preview shows how black text looks on a background with the CIELCh color 18, 88.170, 307.690.



This preview shows how white text looks on a background with the CIELCh color 18, 88.170, 307.690.

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, 87.799, 307.642

Protanopia

19, 34.543, 282.961

Deuteranopia

19, 24.335, 267.951

Trichromacy



Original Color
18, 87.799, 307.642

Protanomaly
16, 58.376, 300.065

Deuteranomaly
16, 52.145, 298.229

Monochromacy



Original Color
18, 87.799, 307.642

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 39.557, 305.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 88.170, 307.690 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(34, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(34, 0, 149)  
}
```

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(34, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 0, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 88.170, 307.690 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(34, 0, 149) }
```

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

```
.border{ border-color:rgb(34, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(34, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(34, 0, 149)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 88.170, 307.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 0, 149) }
```

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

```
.background{ background-color: rgb(34, 0,  
149) }
```

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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