

Converting Colors

CIELCh(18, 90.301, 307.046)

Have a look what the booklet for
CIELCh(18, 90.301, 307.046)
contains.

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Color

CIELCh(18, 90.277, 307.064)

Conversions

Conversions Part 1

Format	Color
Hex	190099
RGB	25, 0, 153
RGB Percent	10%, 0%, 60%
CMY	0.9007, 0.9995, 0.3994
CMYK	0.83, 1.00, 0.00, 0.40
HSL	250°, 100%, 30%
HSV	250°, 100%, 60%
XYZ	6.1712, 2.5180, 30.3586
YIQ	24.9170, -34.2130, 52.8830

Conversions

Conversions Part 2

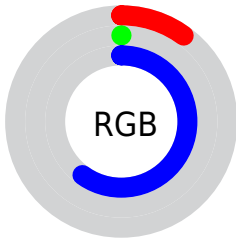
Format	Color
R_{YB}	25, 0, 153
Decimal	1638553
CIE _{Lab}	18.00, 54.41, -72.04
CIE _{LCh}	18, 90.277, 307.064
Yxy	2.5180, 0.1580, 0.0645
Android (android.graphics.Color)	4279828633 (0xFF190099)
YUV	24.9170, 63.1449, 0.0728
Hunter-Lab	15.8683, 41.6495, -102.3232

Details

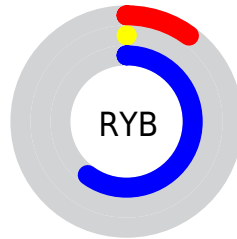
The CIELCh color **18, 90.277, 307.064** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **59, 67.386, 112.590**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **38, 90.559, 307.094**, and **8, 67.340, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 90.326, 307.072**, and if you desaturate by 10%, it is **20, 84.720, 306.475**.

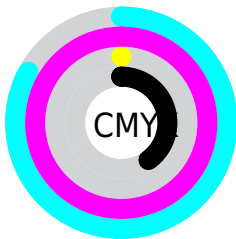
Distribution



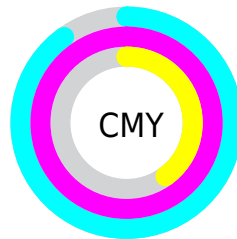
- Red (10%)
- Green (0%)
- Blue (60%)



- Red (10%)
- Yellow (0%)
- Blue (60%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (90%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 90.277, 307.064 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, 90.277, 307.064 by changing the saturation by 10% instead.

■ 18, 90.277,
307.064

■ 18, 90.277,
307.064

■ 100, 90.277,
307.064

■ 8, 90.277, 307.064

■ 38, 90.277,
307.064

■ 0, 90.277, 307.064

■ 48, 90.277,
307.064


■ 58, 90.277,
307.064


■ 68, 90.277,
307.064


■ 78, 90.277,
307.064


■ 88, 90.277,

307.064

 98, 90.277,
307.064


 18, 90.277,
307.064


 18, 90.277,
307.064


 18, 90.326,
307.072

 20, 84.720,
306.475

 24, 77.092,
305.570

 28, 67.693,
304.324

 32, 57.532,
302.952

 37, 47.234,
301.598

■ 42, 37.109,
300.342

■ 48, 27.291,
299.216

■ 53, 17.823,
298.225

■ 58, 8.709, 297.364

Harmonies

Complementary

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



18, 90.277, 307.064



59, 67.386, 112.590

Rectangle

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



18, 90.277, 307.064



18, 90.277, 357.064



18, 90.277, 127.064



18, 90.277, 177.064

Sweetspot

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



18, 90.279, 307.065



61, 33.910, 299.287



50, 29.795, 224.175



29, 23.245, 299.708



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



18, 90.279, 307.065



25, 109.809, 306.956



27, 82.515, 315.987



30, 4.954, 297.309



16, 84.649, 307.120



0, 5.270, 296.517

Inverse Universe

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



35, 69.573, 335.937



45, 84.241, 336.124



56, 77.694, 131.938



30, 5.301, 329.837



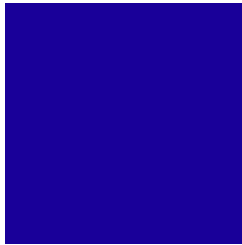
32, 65.320, 335.874



1, 5.642, 329.765

Previews

White Background



This preview shows how the CIE LCh color 18, 90.277, 307.064 looks on a white background.

Color Contrast Check

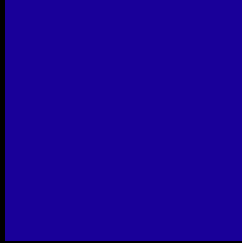
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.277, 307.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

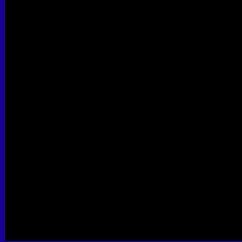
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 90.277, 307.064

Background



This preview shows how black text looks on a background with the CIELCh color 18, 90.277, 307.064.



This preview shows how white text looks on a background with the CIELCh color 18, 90.277, 307.064.

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, 90.277, 307.064

Deuteranopia

19, 24.335, 267.951

Tritanopia

19, 16.168, 201.412

Trichromacy



Original Color
18, 90.277, 307.064

Deuteranomaly
16, 52.813, 298.094

Tritanomaly
15, 39.841, 292.707

Monochromacy



Original Color
18, 90.277, 307.064

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 40.458, 304.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 90.277, 307.064 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(25, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(25, 0, 153)  
}
```

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(25, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 0, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 90.277, 307.064 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(25, 0, 153) }
```

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

```
.border{ border-color:rgb(25, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(25, 0, 153)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 90.277, 307.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 0, 153) }
```

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

```
.background{ background-color: rgb(25, 0,  
153) }
```

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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