

Converting Colors

CIELCh(15, 82.142, 307.334)

Have a look what the booklet for
CIELCh(15, 82.142, 307.334)
contains.

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Color

CIELCh(15, 81.721, 307.262)

Conversions

Conversions Part 1

Format	Color
Hex	180086
RGB	24, 0, 134
RGB Percent	9%, 0%, 53%
CMY	0.9066, 1.0000, 0.4749
CMYK	0.82, 1.00, 0.00, 0.47
HSL	251°, 100%, 26%
HSV	251°, 100%, 53%
XYZ	4.6676, 1.9086, 22.6409
YIQ	22.4520, -28.7100, 46.7620

Conversions

Conversions Part 2

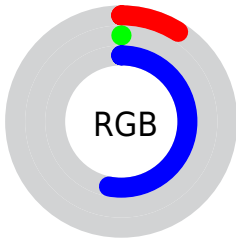
Format	Color
R_{YB}	24, 0, 134
Decimal	1572998
CIE _{Lab}	15.00, 49.48, -65.04
CIE _{LCh}	15, 81.721, 307.262
Yxy	1.9086, 0.1598, 0.0653
Android (android.graphics.Color)	4279763078 (0xFF180086)
YUV	22.4520, 54.9932, 1.3576
Hunter-Lab	13.8151, 36.1312, -87.4964

Details

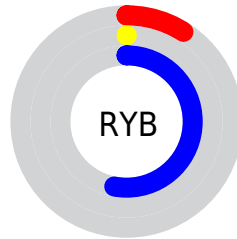
The CIELCh color **15, 81.721, 307.262** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **52, 61.265, 113.217**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **35, 82.052, 307.216**, and **6, 58.084, 305.611** is the 20% darker color. If you saturate the color by 10%, you get **15, 81.689, 307.253**, and if you desaturate by 10%, it is **17, 76.129, 306.564**.

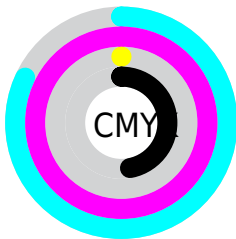
Distribution



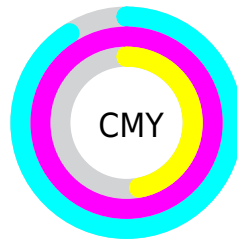
- Red (9%)
- Green (0%)
- Blue (53%)



- Red (9%)
- Yellow (0%)
- Blue (53%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)





- Cyan (91%)
- Magenta (100%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 81.721, 307.262 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 15, 81.721, 307.262 by changing the saturation by 10% instead.

 15, 81.721,
307.262


 15, 81.721,
307.262


 100, 81.721,
307.262


 5, 81.721, 307.262


 35, 81.721,
307.262

 0, 81.721, 307.262

 45, 81.721,
307.262


 55, 81.721,
307.262


 65, 81.721,
307.262


 75, 81.721,
307.262


 85, 81.721,


307.262


 95, 81.721,
307.262

 15, 81.721,
307.262


 15, 81.721,
307.262


 15, 81.689,
307.253

 17, 76.129,
306.564

 20, 69.134,
305.684

 24, 60.667,
304.494

 28, 51.572,
303.190

 33, 42.367,
301.905

■ 37, 33.314,
300.710

■ 42, 24.528,
299.634

■ 47, 16.048,
298.686

■ 51, 7.878, 297.858

Harmonies

Complementary

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



15, 81.721, 307.262



52, 61.265, 113.217

Rectangle

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



15, 81.721, 307.262



15, 81.721, 357.262



15, 81.721, 127.262



15, 81.721, 177.262

Sweetspot

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



15, 81.689, 307.253



54, 30.333, 299.702



43, 26.982, 227.331



25, 20.744, 300.074



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



15, 81.689, 307.253



21, 98.925, 307.110



23, 74.558, 316.598



26, 4.400, 297.790



14, 79.960, 307.272



0, 1.038, 297.139

Inverse Universe

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



30, 62.574, 336.571



39, 75.398, 336.793



49, 70.638, 132.132



26, 4.661, 330.274



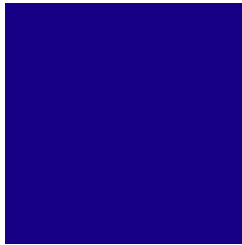
29, 61.289, 336.543



0, 1.109, 329.765

Previews

White Background



This preview shows how the CIE LCh color 15, 81.721, 307.262 looks on a white background.

Color Contrast Check

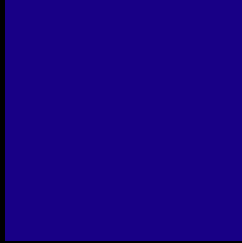
Large Text (above 18pt) WCAG AA ✓ Pass

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 15, 81.721, 307.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

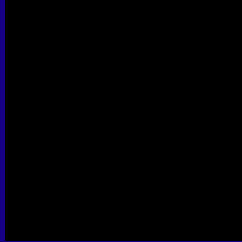
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 81.721, 307.262

Background



This preview shows how black text looks on a background with the CIELCh color 15, 81.721, 307.262.



This preview shows how white text looks on a background with the CIELCh color 15, 81.721, 307.262.

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

15, 81.721, 307.262

Protanopia

16, 31.751, 282.960

Deuteranopia

16, 21.984, 266.865



Tritanopia
16, 14.663, 204.900

Trichromacy



Original Color
15, 81.721, 307.262

Protanomaly
14, 54.003, 300.011

Deuteranomaly
14, 47.635, 297.940

Tritanomaly
13, 36.404, 293.115

Monochromacy



Original Color
15, 81.721, 307.262

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 36.116, 304.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 81.721, 307.262 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(24, 0, 134)` looks like.

```
.text, #text, p{  
    color:rgb(24, 0, 134)  
}
```

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(24, 0, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 0, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 81.721, 307.262 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(24, 0, 134) }
```

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

```
.border{ border-color:rgb(24, 0, 134) }
```

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

Here you see how a box with a 4 pixel rgb(24, 0, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 0, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 0, 134);  
box-shadow:4px 4px 4px 4px rgb(24, 0, 134)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 81.721, 307.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 0, 134) }
```

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

```
.background{ background-color: rgb(24, 0,  
134) }
```

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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