

Converting Colors

CIELCh(15, 93.034, 312.348)

Have a look what the booklet for
CIELCh(15, 93.034, 312.348)
contains.

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Color

CIELCh(18, 81.926, 309.491)

Conversions

Conversions Part 1

Format	Color
Hex	32008B
RGB	50, 0, 139
RGB Percent	20%, 0%, 55%
CMY	0.8045, 1.0000, 0.4547
CMYK	0.64, 1.00, 0.00, 0.45
HSL	262°, 100%, 27%
HSV	262°, 100%, 55%
XYZ	5.9609, 2.5180, 24.6203
YIQ	30.7960, -14.8190, 53.8290

Conversions

Conversions Part 2

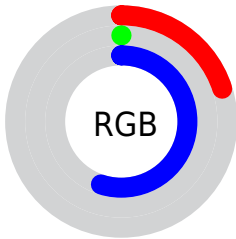
Format	Color
RYB	50, 0, 139
Decimal	3276939
CIELab	18.00, 52.10, -63.22
CIELCh	18, 81.926, 309.491
Yxy	2.5180, 0.1801, 0.0761
Android (android.graphics.Color)	4281467019 (0xFF32008B)
YUV	30.7960, 53.3446, 16.8419
Hunter-Lab	15.8683, 39.2839, -80.8827

Details

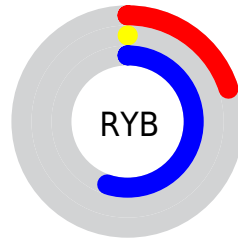
The CIELCh color **18, 81.926, 309.491** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **53, 66.143, 122.219**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 81.818, 309.486**, and **6, 60.527, 305.934** is the 20% darker color. If you saturate the color by 10%, you get **18, 81.610, 309.402**, and if you desaturate by 10%, it is **20, 76.519, 309.379**.

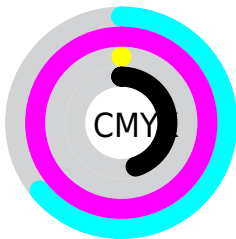
Distribution



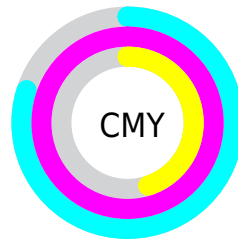
- Red (20%)
- Green (0%)
- Blue (55%)



- Red (20%)
- Yellow (0%)
- Blue (55%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)



- Cyan (80%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 81.926, 309.491 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, 81.926, 309.491 by changing the saturation by 10% instead.

■ 18, 81.926,
309.491

■ 18, 81.926,
309.491

■ 100, 81.926,
309.491

■ 8, 81.926, 309.491

■ 38, 81.926,
309.491

■ 0, 81.926, 309.491

■ 48, 81.926,
309.491


■ 58, 81.926,
309.491


■ 68, 81.926,
309.491


■ 78, 81.926,
309.491


■ 88, 81.926,


309.491


 98, 81.926,
309.491


 18, 81.926,
309.491


 18, 81.926,
309.491


 18, 81.610,
309.402

 20, 76.519,
309.379

 23, 70.035,
309.160

 27, 62.015,
308.637

 31, 53.162,
307.948

 35, 43.979,
307.197

■ 40, 34.772,
306.448

■ 44, 25.709,
305.738

■ 49, 16.874,
305.084

■ 53, 8.303, 304.494

Harmonies

Complementary

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



18, 81.926, 309.491



53, 66.143, 122.219

Rectangle

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



18, 81.926, 309.491



18, 81.926, 359.491



18, 81.926, 129.491



18, 81.926, 179.491

Sweetspot

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



18, 81.610, 309.402



57, 31.920, 305.782



36, 33.532, 263.541



27, 22.070, 306.042



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



18, 81.610, 309.402



25, 99.337, 309.181



29, 74.481, 322.621



27, 4.642, 304.446



17, 78.801, 309.448



0, 2.125, 303.976

Inverse Universe

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



30, 57.062, 348.758



40, 68.987, 349.372



50, 75.239, 134.989



27, 4.229, 337.348



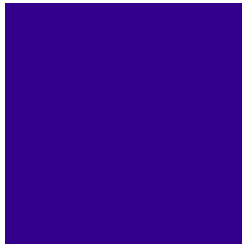
28, 55.175, 348.634



0, 1.947, 336.745

Previews

White Background



This preview shows how the CIE LCh color 18, 81.926, 309.491 looks on a white background.

Color Contrast Check

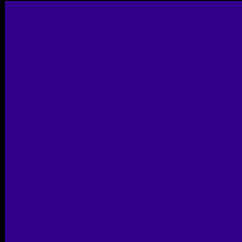
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.926, 309.491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

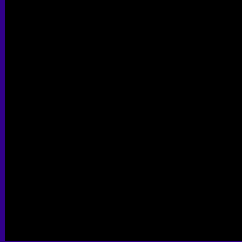
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 81.926, 309.491

Background



This preview shows how black text looks on a background with the CIELCh color 18, 81.926, 309.491.



This preview shows how white text looks on a background with the CIELCh color 18, 81.926, 309.491.

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, 81.565, 309.423

Protanopia

19, 35.167, 283.496

Deuteranopia

19, 24.335, 267.951



Tritanopia
19, 15.962, 206.601

Trichromacy



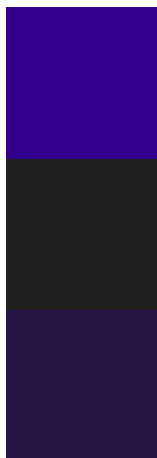
Original Color
18, 81.565, 309.423

Protanomaly
16, 56.444, 300.337

Deuteranomaly
16, 49.541, 298.400

Tritanomaly
15, 37.063, 293.357

Monochromacy



Original Color
18, 81.565, 309.423

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 35.958, 308.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 81.926, 309.491 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(50, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(50, 0, 139)  
}
```

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(50, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 0, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 81.926, 309.491 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(50, 0, 139) }
```

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

```
.border{ border-color:rgb(50, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(50, 0, 139)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 81.926, 309.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 0, 139) }
```

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

```
.background{ background-color: rgb(50, 0,  
139) }
```

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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