

Converting Colors

CIELCh(18, 81.341, 304.777)

Have a look what the booklet for
CIELCh(18, 81.341, 304.777)
contains.

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Color

CIELCh(18, 81.353, 304.738)

Conversions

Conversions Part 1

Format	Color
Hex	0D1191
RGB	13, 17, 145
RGB Percent	5%, 7%, 57%
CMY	0.9479, 0.9343, 0.4323
CMYK	0.91, 0.88, 0.00, 0.43
HSL	238°, 83%, 31%
HSV	238°, 91%, 57%
XYZ	5.4586, 2.5180, 26.8862
YIQ	30.3960, -43.4720, 38.9600

Conversions

Conversions Part 2

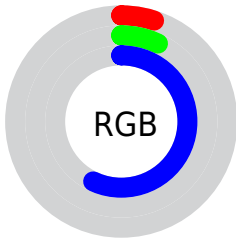
Format	Color
R_{YB}	13, 17, 145
Decimal	856465
CIE _{Lab}	18.00, 46.36, -66.85
CIE _{LCh}	18, 81.353, 304.738
Yxy	2.5180, 0.1566, 0.0722
Android (android.graphics.Color)	4279046545 (0xFF0D1191)
YUV	30.3960, 56.4998, -15.2563
Hunter-Lab	15.8683, 33.6335, -89.3491

Details

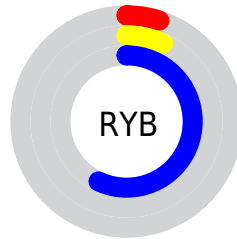
The CIELCh color **18, 81.353, 304.738** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **57, 60.305, 101.545**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 81.115, 304.605**, and **7, 63.883, 306.215** is the 20% darker color. If you saturate the color by 10%, you get **16, 86.412, 305.861**, and if you desaturate by 10%, it is **21, 73.638, 302.935**.

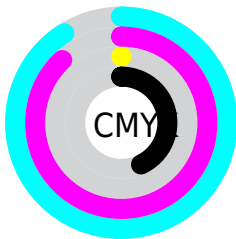
Distribution



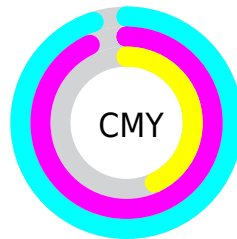
- Red (5%)
- Green (7%)
- Blue (57%)



- Red (5%)
- Yellow (7%)
- Blue (57%)



- Cyan (91%)
- Magenta (88%)
- Yellow (0%)
- Black (43%)



- Cyan (95%)
- Magenta (93%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 81.353, 304.738 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, 81.353, 304.738 by changing the saturation by 10% instead.

■ 18, 81.353,
304.738

■ 18, 81.353,
304.738

■ 100, 81.353,
304.738

■ 8, 81.353, 304.738

■ 38, 81.353,
304.738

■ 0, 81.353, 304.738

■ 48, 81.353,
304.738


■ 58, 81.353,
304.738


■ 68, 81.353,
304.738

■ 78, 81.353,
304.738


■ 88, 81.353,


304.738


 98, 81.353,
304.738


 18, 81.353,
304.738


 18, 81.353,
304.738


 16, 86.412,
305.861

 21, 73.638,
302.935

 25, 64.323,
300.766

 29, 54.471,
298.526

 34, 44.667,
296.410

 39, 35.153,
294.512

■ 44, 26.003,
292.858

■ 50, 17.217,
291.438

■ 55, 8.777, 290.228

■ 60, 0.657, 289.277

Harmonies

Complementary

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



18, 81.353, 304.738



57, 60.305, 101.545

Rectangle

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



18, 81.353, 304.738



18, 81.353, 354.738



18, 81.353, 124.738



18, 81.353, 174.738

Sweetspot

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



18, 81.354, 304.739



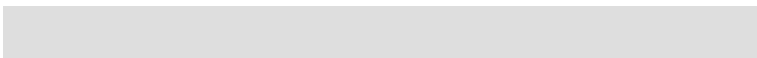
59, 28.097, 292.372



54, 32.999, 191.903



29, 18.986, 292.818



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



18, 81.354, 304.739



23, 105.513, 305.978



23, 78.042, 311.637



28, 4.517, 290.047



15, 82.099, 305.825



0, 3.003, 289.110

Inverse Universe

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



30, 62.338, 35.573



39, 82.216, 38.958



54, 67.574, 125.825



28, 3.246, 17.749



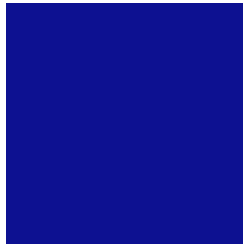
27, 63.290, 37.753



0, 2.124, 17.209

Previews

White Background



This preview shows how the CIE LCh color 18, 81.353, 304.738 looks on a white background.

Color Contrast Check

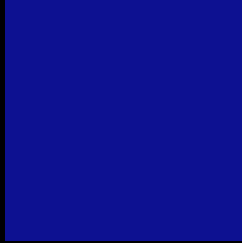
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.353, 304.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

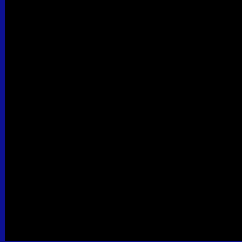
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 81.353, 304.738

Background



This preview shows how black text looks on a background with the CIELCh color 18, 81.353, 304.738.



This preview shows how white text looks on a background with the CIELCh color 18, 81.353, 304.738.

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, 81.386, 304.698

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 23.742, 268.006



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
18, 81.386, 304.698

Protanomaly
17, 53.180, 296.997

Deuteranomaly
17, 46.108, 294.094

Tritanomaly
16, 32.980, 285.679

Monochromacy



Original Color
18, 81.386, 304.698

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 33.801, 298.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 81.353, 304.738 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(13, 17, 145)` looks like.

```
.text, #text, p{  
    color:rgb(13, 17, 145)  
}
```

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(13, 17, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 17, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 81.353, 304.738 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(13, 17, 145) }
```

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

```
.border{ border-color:rgb(13, 17, 145) }
```

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

Here you see how a box with a 4 pixel rgb(13, 17, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 17, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 17, 145);  
box-shadow:4px 4px 4px 4px rgb(13, 17,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 81.353, 304.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 17, 145) }
```

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

```
.background{ background-color: rgb(13, 17,  
145) }
```

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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