

Converting Colors

CIELCh(9, 64.698, 307.451)

Have a look what the booklet for
CIELCh(9, 64.698, 307.451) contains.

CIELCh(9, 64.630, 307.575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(9, 64.630, 307.575)

Conversions

Conversions Part 1

Format	Color
Hex	120061
RGB	18, 0, 97
RGB Percent	7%, 0%, 38%
CMY	0.9281, 0.9996, 0.6188
CMYK	0.81, 1.00, 0.00, 0.62
HSL	251°, 100%, 19%
HSV	251°, 100%, 38%
XYZ	2.4237, 1.0010, 11.4227
YIQ	16.4400, -20.4090, 33.9830

Conversions

Conversions Part 2

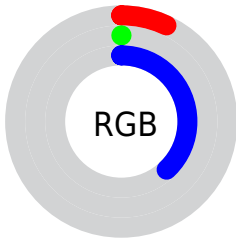
Format	Color
R _Y B	18, 0, 97
Decimal	1179745
CIE Lab	9.00, 39.41, -51.22
CIE LCh	9, 64.630, 307.575
Yxy	1.0010, 0.1632, 0.0674
Android (android.graphics.Color)	4279369825 (0xFF120061)
YUV	16.4400, 39.7161, 1.3681
Hunter-Lab	10.0051, 25.7325, -60.6868

Details

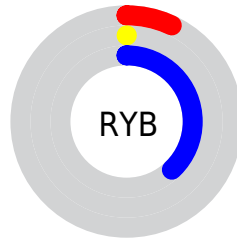
The CIELCh color **9, 64.630, 307.575** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **38, 48.767, 113.399**, and the grayscale version is **5, 0.001, 296.812**.

A 20% lighter version of the original color is **29, 64.921, 307.671**, and **3, 30.257, 294.346** is the 20% darker color. If you saturate the color by 10%, you get **9, 64.704, 307.593**, and if you desaturate by 10%, it is **11, 58.917, 306.461**.

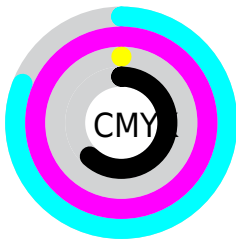
Distribution



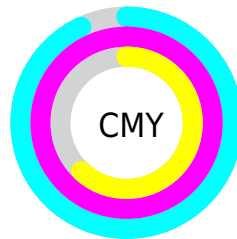
- Red (7%)
- Green (0%)
- Blue (38%)



- Red (7%)
- Yellow (0%)
- Blue (38%)



- Cyan (81%)
- Magenta (100%)
- Yellow (0%)
- Black (62%)



- Cyan (93%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 64.630, 307.575 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 9, 64.630, 307.575 by changing the saturation by 10% instead.


 9, 64.630, 307.575


 9, 64.630, 307.575


 99, 64.630,
307.575


 0, 64.630, 307.575


 29, 64.630,
307.575

 39, 64.630,
307.575

 49, 64.630,
307.575

 59, 64.630,
307.575

 69, 64.630,
307.575

 79, 64.630,
307.575

89, 64.630,
307.575

9, 64.630, 307.575

9, 64.630, 307.575

9, 64.704, 307.593

11, 58.917,
306.461

14, 53.135,
305.537

17, 46.465,
304.382

20, 39.445,
303.155

23, 32.392,
301.960

27, 25.470,
300.852

■ 31, 18.748,
299.852

■ 34, 12.252,
298.966

■ 38, 5.984, 298.189

Harmonies

Complementary

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



9, 64.630, 307.575



38, 48.767, 113.399

Rectangle

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



9, 64.630, 307.575



9, 64.630, 357.575



9, 64.630, 127.575



9, 64.630, 177.575

Sweetspot

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



9, 64.631, 307.576



40, 23.571, 299.951



31, 21.481, 229.498



18, 16.023, 300.227



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



9, 64.631, 307.576



14, 78.714, 307.369



16, 59.002, 317.436



18, 3.381, 298.116



12, 71.729, 307.465



31, 126.152, 307.055

Inverse Universe

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



21, 49.662, 336.750



28, 60.002, 337.077



36, 56.089, 131.985



18, 3.555, 330.578



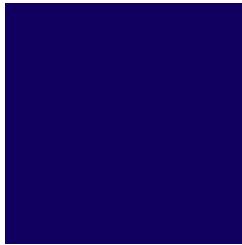
24, 54.854, 336.935



54, 95.083, 337.601

Previews

White Background



This preview shows how the CIELCh color 9, 64.630, 307.575 looks on a white background.

Color Contrast Check

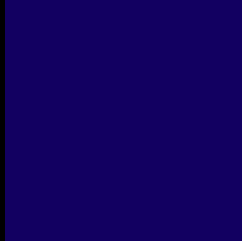
Large Text (above 18pt) WCAG AA ✓ Pass

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 9, 64.630, 307.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

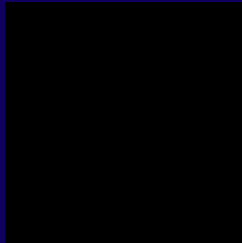
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 64.630, 307.575

Background



This preview shows how black text looks on a background with the CIELCh color 9, 64.630, 307.575.



This preview shows how white text looks on a background with the CIELCh color 9, 64.630, 307.575.

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

9, 64.630, 307.575

Protanopia

11, 24.582, 280.635

Deuteranopia

11, 17.115, 263.564



Tritanopia
11, 12.448, 199.873

Trichromacy



Original Color
9, 64.630, 307.575

Protanomaly
9, 41.581, 299.120

Deuteranomaly
9, 35.393, 296.229

Tritanomaly
8, 26.894, 290.584

Monochromacy



Original Color
9, 64.630, 307.575

Achromatopsia
5, 0.002, 296.812

Achromatomaly
5, 25.262, 300.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 64.630, 307.575 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(18, 0, 97)` looks like.

```
.text, #text, p{  
    color:rgb(18, 0, 97)  
}
```

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(18, 0, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 0, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 64.630, 307.575 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(18, 0, 97) }
```

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

```
.border{ border-color:rgb(18, 0, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 0, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 0, 97); -webkit-box-shadow:4px  
4px 4px 4px rgb(18, 0, 97); box-shadow:4px  
4px 4px 4px rgb(18, 0, 97) }
```

Background

The CSS property to change the background color of an element to CIELCh 9, 64.630, 307.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 0, 97) }
```

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

```
.background{ background-color: rgb(18, 0,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor