

Converting Colors

CIELCh(9, 68.210, 306.353)

Have a look what the booklet for
CIELCh(9, 68.210, 306.353) contains.

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Color

CIELCh(9, 68.562, 306.458)

Conversions

Conversions Part 1

Format	Color
Hex	030067
RGB	3, 0, 103
RGB Percent	1%, 0%, 40%
CMY	0.9877, 0.9999, 0.5959
CMYK	0.97, 1.00, 0.00, 0.60
HSL	242°, 100%, 20%
HSV	242°, 100%, 40%
XYZ	2.4901, 1.0010, 12.9072
YIQ	12.6390, -31.2750, 32.6690

Conversions

Conversions Part 2

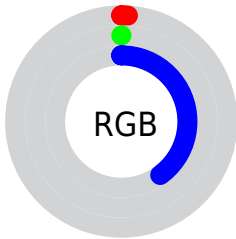
Format	Color
R_{YB}	3, 0, 103
Decimal	196711
CIE _{Lab}	9.00, 40.74, -55.14
CIE _{LCh}	9, 68.562, 306.458
Yxy	1.0010, 0.1518, 0.0610
Android (android.graphics.Color)	4278386791 (0xFF030067)
YUV	12.6390, 44.5480, -8.4534
Hunter-Lab	10.0051, 26.9160, -69.4840

Details

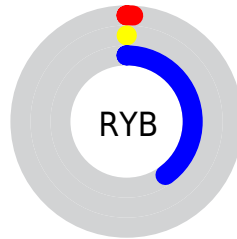
The CIELCh color **9, 68.562, 306.458** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 49.838, 104.620**, and the grayscale version is **3, 0.001, 296.812**.

A 20% lighter version of the original color is **29, 68.376, 306.522**, and **3, 33.780, 296.179** is the 20% darker color. If you saturate the color by 10%, you get **9, 68.579, 306.464**, and if you desaturate by 10%, it is **11, 62.694, 304.867**.

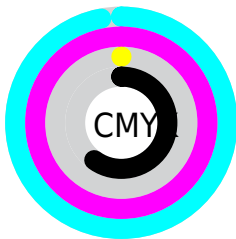
Distribution



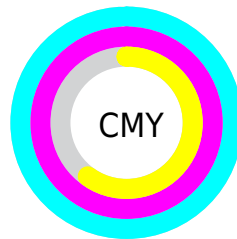
- Red (1%)
- Green (0%)
- Blue (40%)



- Red (1%)
- Yellow (0%)
- Blue (40%)



- Cyan (97%)
- Magenta (100%)
- Yellow (0%)
- Black (60%)



- Cyan (99%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 68.562, 306.458 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, 68.562, 306.458 by changing the saturation by 10% instead.

 9, 68.562, 306.458

 9, 68.562, 306.458

 99, 68.562,
306.458


 0, 68.562, 306.458

 29, 68.562,
306.458

 39, 68.562,
306.458

 49, 68.562,
306.458

 59, 68.562,
306.458

 69, 68.562,
306.458

 79, 68.562,
306.458

89, 68.562,
306.458

9, 68.562, 306.458

9, 68.562, 306.458

9, 68.579, 306.464

11, 62.694,
304.867

14, 56.466,
303.266

17, 49.194,
301.384

20, 41.590,
299.462

24, 34.035,
297.649

28, 26.694,
296.016

■ 32, 19.622,
294.584

■ 36, 12.822,
293.346

■ 40, 6.284, 292.282

Harmonies

Complementary

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



9, 68.562, 306.458



42, 49.838, 104.620

Rectangle

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



9, 68.562, 306.458



9, 68.562, 356.458



9, 68.562, 126.458



9, 68.562, 176.458

Sweetspot

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



9, 68.563, 306.459



42, 24.580, 294.705



38, 25.187, 198.869



19, 17.005, 295.133



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



9, 68.563, 306.459



14, 83.312, 306.417



14, 63.543, 312.902



19, 3.500, 292.179



11, 74.033, 306.444



31, 128.584, 306.350

Inverse Universe

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



23, 58.080, 329.399



31, 70.464, 329.434



39, 55.867, 127.685



20, 4.144, 325.693



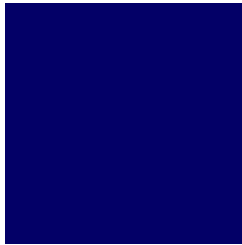
26, 62.667, 329.414



57, 108.527, 329.488

Previews

White Background



This preview shows how the CIELCh color 9, 68.562, 306.458 looks on a white background.

Color Contrast Check

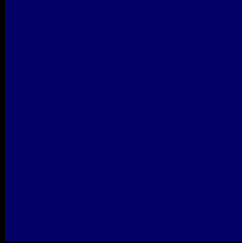
Large Text (above 18pt) WCAG AA ✓ Pass

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 9, 68.562, 306.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

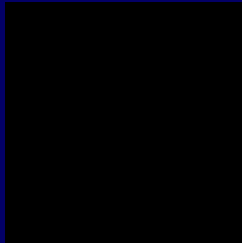
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 68.562, 306.458

Background



This preview shows how black text looks on a background with the CIELCh color 9, 68.562, 306.458.



This preview shows how white text looks on a background with the CIELCh color 9, 68.562, 306.458.

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, 68.562, 306.458

Protanopia

11, 24.534, 279.961

Deuteranopia

11, 17.161, 262.710



Tritanopia
11, 12.658, 199.801

Trichromacy



Original Color
9, 68.562, 306.458

Protanomaly
9, 42.949, 298.017

Deuteranomaly
9, 37.573, 295.603

Tritanomaly
8, 28.466, 289.189

Monochromacy



Original Color
9, 68.562, 306.458

Achromatopsia
4, 0.001, 296.812

Achromatomaly
4, 26.286, 296.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 68.562, 306.458 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(3, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(3, 0, 103)  
}
```

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(3, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 0, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 68.562, 306.458 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(3, 0, 103) }
```

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

```
.border{ border-color:rgb(3, 0, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 0, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 0, 103); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 0, 103); box-shadow:4px  
4px 4px 4px rgb(3, 0, 103) }
```

Background

The CSS property to change the background color of an element to CIELCh 9, 68.562, 306.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 0, 103) }
```

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

```
.background{ background-color: rgb(3, 0,  
103) }
```

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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