

Converting Colors

CIELCh(14, 68.091, 303.900)

Have a look what the booklet for
CIELCh(14, 68.091, 303.900)
contains.

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Color

CIELCh(14, 68.056, 303.876)

Conversions

Conversions Part 1

Format	Color
Hex	091076
RGB	9, 16, 118
RGB Percent	4%, 6%, 46%
CMY	0.9657, 0.9376, 0.5377
CMYK	0.93, 0.87, 0.00, 0.54
HSL	236°, 86%, 25%
HSV	236°, 93%, 46%
XYZ	3.5570, 1.7298, 17.2537
YIQ	25.5350, -36.9140, 30.2380

Conversions

Conversions Part 2

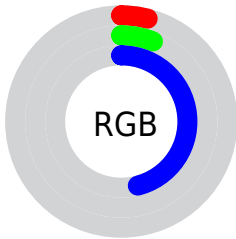
Format	Color
R_YB	9, 16, 118
Decimal	594038
CIE _{Lab}	14.00, 37.93, -56.50
CIE _{LCh}	14, 68.056, 303.876
Yxy	1.7298, 0.1578, 0.0767
Android (android.graphics.Color)	4278784118 (0xFF091076)
YUV	25.5350, 45.5852, -14.5012
Hunter-Lab	13.1521, 25.2595, -68.5735

Details

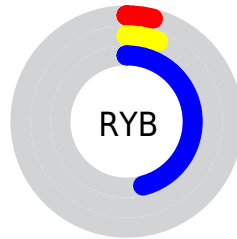
The CIELCh color **14, 68.056, 303.876** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **46, 50.573, 99.117**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **34, 67.919, 303.820**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **12, 72.120, 304.951**, and if you desaturate by 10%, it is **17, 61.217, 301.833**.

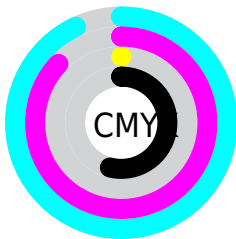
Distribution



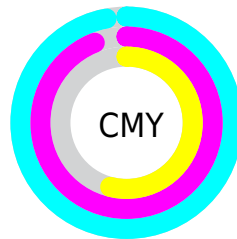
- Red (4%)
- Green (6%)
- Blue (46%)



- Red (4%)
- Yellow (6%)
- Blue (46%)



- Cyan (93%)
- Magenta (87%)
- Yellow (0%)
- Black (54%)



- Cyan (97%)
- Magenta (94%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 68.056, 303.876 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 14, 68.056, 303.876 by changing the saturation by 10% instead.

■ 14, 68.056,
303.876

■ 14, 68.056,
303.876

■ 100, 68.056,
303.876

■ 4, 68.056, 303.876

■ 34, 68.056,
303.876

■ 0, 68.056, 303.876

■ 44, 68.056,
303.876

■ 54, 68.056,
303.876


■ 64, 68.056,
303.876


■ 74, 68.056,
303.876


■ 84, 68.056,


303.876


 94, 68.056,
303.876


 14, 68.056,
303.876


 14, 68.056,
303.876


 12, 72.120,
304.951

 17, 61.217,
301.833

 20, 53.422,
299.527

 24, 45.368,
297.213

 28, 37.418,
295.052

 32, 29.718,
293.120

■ 36, 22.304,
291.433

■ 40, 15.173,
289.980

■ 44, 8.306, 288.736

■ 49, 1.684, 287.695

Harmonies

Complementary

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



14, 68.056, 303.876



46, 50.573, 99.117

Rectangle

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



14, 68.056, 303.876



14, 68.056, 353.876



14, 68.056, 123.876



14, 68.056, 173.876

Sweetspot

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



14, 68.057, 303.877



49, 23.547, 290.841



44, 29.251, 187.591



23, 16.266, 291.364



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



14, 68.057, 303.877



18, 88.187, 305.300



17, 67.648, 310.899



22, 3.675, 288.339



13, 74.229, 305.007



32, 129.033, 305.707

Inverse Universe

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



24, 52.430, 33.291



31, 68.530, 36.832



45, 57.660, 124.579



23, 2.758, 14.538



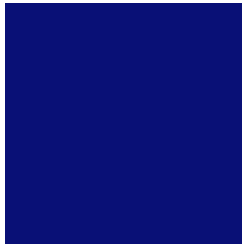
24, 57.242, 35.351



52, 100.385, 38.087

Previews

White Background



This preview shows how the CIE LCh color 14, 68.056, 303.876 looks on a white background.

Color Contrast Check

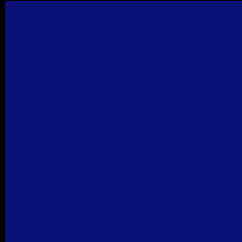
Large Text (above 18pt) WCAG AA ✓ Pass

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 14, 68.056, 303.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

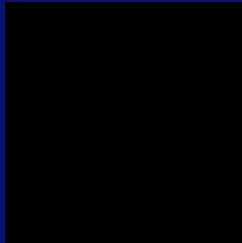
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 68.056, 303.876

Background



This preview shows how black text looks on a background with the CIELCh color 14, 68.056, 303.876.



This preview shows how white text looks on a background with the CIELCh color 14, 68.056, 303.876.

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

14, 68.056, 303.876

Protanopia

14, 28.780, 281.828

Deuteranopia

15, 20.202, 265.486



Tritanopia
15, 13.965, 202.420

Trichromacy



Original Color
14, 68.056, 303.876

Protanomaly
14, 43.713, 295.179

Deuteranomaly
13, 37.637, 291.672

Tritanomaly
13, 27.552, 283.114

Monochromacy



Original Color
14, 68.056, 303.876

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 27.320, 296.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 68.056, 303.876 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(9, 16, 118)` looks like.

```
.text, #text, p{  
    color:rgb(9, 16, 118)  
}
```

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(9, 16, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 16, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 68.056, 303.876 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(9, 16, 118) }
```

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

```
.border{ border-color:rgb(9, 16, 118) }
```

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

Here you see how a box with a 4 pixel rgb(9, 16, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 16, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 16, 118);  
box-shadow:4px 4px 4px 4px rgb(9, 16, 118)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 68.056, 303.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 16, 118) }
```

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

```
.background{ background-color: rgb(9, 16,  
118) }
```

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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