

Converting Colors

CIELCh(69, 56.652, 302.980)

Have a look what the booklet for
CIELCh(69, 56.652, 302.980)
contains.

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Color

CIELCh(69, 56.655, 303.006)

Conversions

Conversions Part 1

Format	Color
Hex	B299FF
RGB	178, 153, 255
RGB Percent	70%, 60%, 100%
CMY	0.3029, 0.4009, 0.0010
CMYK	0.30, 0.40, 0.00, 0.00
HSL	255°, 99%, 80%
HSV	255°, 40%, 100%
XYZ	47.6639, 39.3444, 99.4720
YIQ	172.1030, -17.8420, 37.0220

Conversions

Conversions Part 2

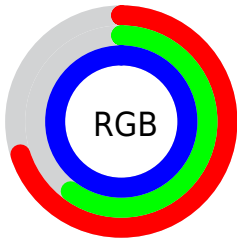
Format	Color
RYB	178, 153, 255
Decimal	11704831
CIELab	69.00, 30.86, -47.51
CIELCh	69, 56.655, 303.006
Yxy	39.3444, 0.2556, 0.2110
Android (android.graphics.Color)	4289894911 (0xFFB299FF)
YUV	172.1030, 40.8682, 5.1717
Hunter-Lab	62.7251, 25.8708, -50.1169

Details

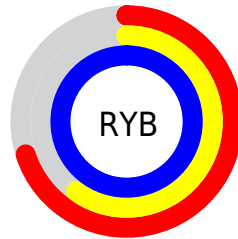
The CIELCh color **69, 56.655, 303.006** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **96, 51.706, 117.174**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 26.536, 313.139**, and **49, 56.565, 302.772** is the 20% darker color. If you saturate the color by 10%, you get **61, 71.917, 304.076**, and if you desaturate by 10%, it is **77, 41.755, 302.026**.

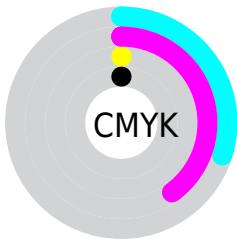
Distribution



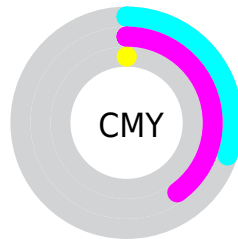
- Red (70%)
- Green (60%)
- Blue (100%)



- Red (70%)
- Yellow (60%)
- Blue (100%)



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (40%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 56.655, 303.006 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 69, 56.655, 303.006 by changing the saturation by 10% instead.

 69, 56.655,
303.006

 69, 56.655,
303.006


 100, 56.655,
303.006


 59, 56.655,
303.006


 89, 56.655,
303.006

 49, 56.655,
303.006

 99, 56.655,
303.006

 39, 56.655,
303.006

 29, 56.655,
303.006

 19, 56.655,
303.006

 9, 56.655, 303.006

 0, 56.655, 303.006

69, 56.655,
303.006

69, 56.655,
303.006

61, 71.917,
304.076

77, 41.755,
302.026

54, 87.258,
305.191

84, 27.339,
301.152

48, 102.077,
306.259

92, 13.439,
300.384

42, 115.289,
307.126

100, 0.052,
299.064

37, 125.327,
307.582

100, 0.119,
109.520

34, 131.179,
307.532

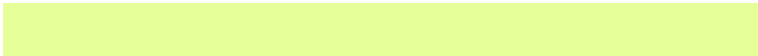
Harmonies

Complementary

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



69, 56.655, 303.006



96, 51.706, 117.174

Rectangle

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



69, 56.655, 303.006



69, 56.655, 353.006



69, 56.655, 123.006



69, 56.655, 173.006

Sweetspot

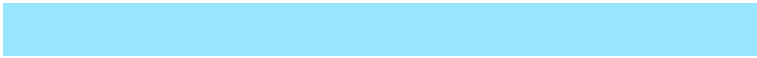
The Sweet Spot groups the original color and five complimentary colors.



69, 56.654, 303.006



91, 16.149, 300.528



88, 26.304, 226.516



47, 10.738, 300.625



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 56.654, 303.006



63, 68.855, 303.853



74, 59.944, 318.503



49, 7.617, 300.347



25, 105.540, 307.664



4, 44.648, 306.472

Inverse Universe

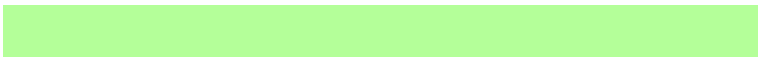
The Inverse Universe completely reimagines the original color for something new.



76, 53.632, 334.967



72, 63.556, 335.604



93, 58.434, 134.693



50, 7.634, 332.744



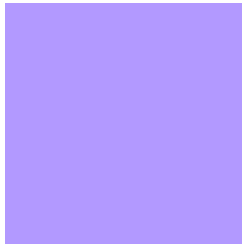
43, 77.119, 341.064



11, 36.238, 339.151

Previews

White Background



This preview shows how the CIELCh color 69, 56.655, 303.006 looks on a white background.

Color Contrast Check

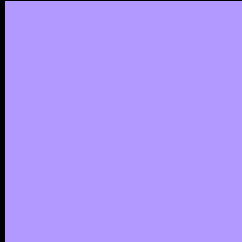
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 69, 56.655, 303.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

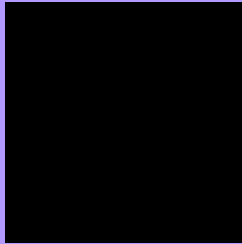
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 56.655, 303.006

Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.655, 303.006.



This preview shows how white text looks on a background with the CIELCh color 69, 56.655, 303.006.

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](#).

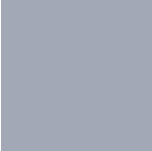
Dichromacy



Original Color
69, 56.655, 303.006

Protanopia
69, 49.667, 285.606

Deuteranopia
69, 47.197, 282.464



Tritanopia
69, 7.869, 277.662

Trichromacy



Original Color
69, 56.655, 303.006

Protanomaly
69, 51.594, 291.944

Deuteranomaly
69, 49.982, 290.384

Tritanomaly
69, 25.478, 297.279

Monochromacy



Original Color
69, 56.655, 303.006

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 20.630, 300.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 56.655, 303.006 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(178, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 153, 255)  
}
```

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(178, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 153, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 56.655, 303.006 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(178, 153, 255) }
```

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

```
.border{ border-color:rgb(178, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 153,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 56.655, 303.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 153, 255) }
```

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

```
.background{ background-color: rgb(178,  
153, 255) }
```

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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