

Converting Colors

CIELCh(72, 80.764, 302.038)

Have a look what the booklet for
CIELCh(72, 80.764, 302.038)
contains.

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Color

CIELCh(69, 56.101, 303.352)

Conversions

Conversions Part 1

Format	Color
Hex	B399FE
RGB	179, 153, 254
RGB Percent	70%, 60%, 100%
CMY	0.2996, 0.4012, 0.0057
CMYK	0.30, 0.40, 0.00, 0.01
HSL	255°, 97%, 80%
HSV	255°, 40%, 99%
XYZ	47.6574, 39.3444, 98.4758
YIQ	172.2880, -16.9250, 36.9230

Conversions

Conversions Part 2

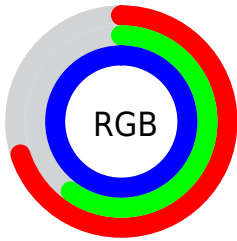
Format	Color
RYB	179, 153, 254
Decimal	11770366
CIELab	69.00, 30.84, -46.86
CIELCh	69, 56.101, 303.352
Yxy	39.3444, 0.2569, 0.2121
Android (android.graphics.Color)	4289960446 (0xFFB399FE)
YUV	172.2880, 40.2840, 5.8864
Hunter-Lab	62.7251, 25.8521, -49.1753

Details

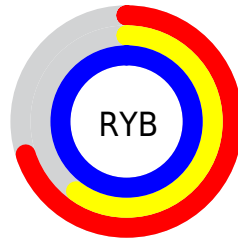
The CIELCh color $69, 56.101, 303.352$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $96, 51.300, 117.692$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 26.658, 313.839$, and $49, 56.021, 303.104$ is the 20% darker color. If you saturate the color by 10%, you get $62, 71.281, 304.386$, and if you desaturate by 10%, it is $77, 41.271, 302.402$.

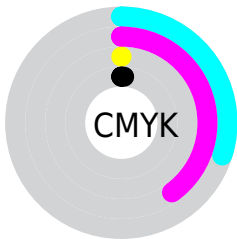
Distribution



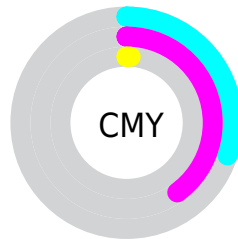
- Red (70%)
- Green (60%)
- Blue (100%)



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



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)
- Black (1%)





- Cyan (30%)
- Magenta (40%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 56.101, 303.352 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, 56.101, 303.352 by changing the saturation by 10% instead.


 69, 56.101,
303.352


 69, 56.101,
303.352


 100, 56.101,
303.352


 59, 56.101,
303.352


 89, 56.101,
303.352

 49, 56.101,
303.352

 99, 56.101,
303.352

 39, 56.101,
303.352

 29, 56.101,
303.352

 19, 56.101,
303.352

 9, 56.101, 303.352

 0, 56.101, 303.352

69, 56.101,
303.352

69, 56.101,
303.352

62, 71.281,
304.386

77, 41.271,
302.402

54, 86.530,
305.461

84, 26.915,
301.553

48, 101.259,
306.487

92, 13.066,
300.806

42, 114.409,
307.314

100, 0.277,
120.301

37, 124.456,
307.738

100, 0.721,
110.017

35, 130.375,
307.658

35, 130.486,
307.656

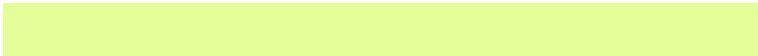
Harmonies

Complementary

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



69, 56.101, 303.352



96, 51.300, 117.692

Rectangle

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



69, 56.101, 303.352



69, 56.101, 353.352



69, 56.101, 123.352



69, 56.101, 173.352

Sweetspot

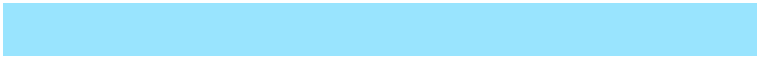
The Sweet Spot groups the original color and five complimentary colors.



69, 56.100, 303.352



91, 16.171, 300.963



87, 26.010, 228.880



47, 10.751, 301.058



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, 56.100, 303.352



63, 68.880, 304.199



74, 59.524, 319.013



49, 7.627, 300.787



25, 105.353, 307.791



4, 44.671, 306.731

Inverse Universe

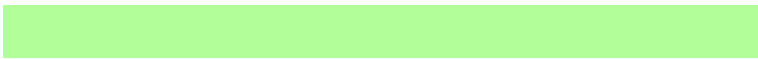
The Inverse Universe completely reimagines the original color for something new.



76, 52.686, 335.440



72, 63.054, 336.116



93, 58.156, 135.185



50, 7.570, 333.198



43, 76.479, 341.870



11, 35.963, 339.819

Previews

White Background



This preview shows how the CIELCh color 69, 56.101, 303.352 looks on a white background.

Color Contrast Check

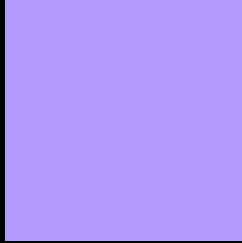
Large Text (above 18pt) WCAG AA × Fail

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, 56.101, 303.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

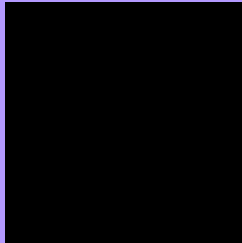
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 56.101, 303.352

Background



This preview shows how black text looks on a background with the CIELCh color 69, 56.101, 303.352.



This preview shows how white text looks on a background with the CIELCh color 69, 56.101, 303.352.

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](#).

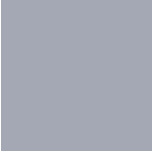
Dichromacy



Original Color
69, 56.156, 303.367

Protanopia
69, 49.088, 285.387

Deuteranopia
69, 46.108, 282.316



Tritanopia
69, 7.264, 279.361

Trichromacy



Original Color
69, 56.156, 303.367

Protanomaly
69, 51.044, 292.165

Deuteranomaly
69, 48.889, 290.483

Tritanomaly
69, 24.964, 298.124

Monochromacy



Original Color
69, 56.156, 303.367

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, 56.101, 303.352 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(179, 153, 254)` looks like.

```
.text, #text, p{  
    color:rgb(179, 153, 254)  
}
```

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(179, 153, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 153, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 56.101, 303.352 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(179, 153, 254) }
```

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

```
.border{ border-color:rgb(179, 153, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 153, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 153, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 153, 254);  
box-shadow:4px 4px 4px 4px rgb(179, 153,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 56.101, 303.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 153, 254) }
```

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

```
.background{ background-color: rgb(179,  
153, 254) }
```

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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