

Converting Colors

CIELCh(69, 32.317, 296.286)

Have a look what the booklet for
CIELCh(69, 32.317, 296.286)
contains.

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Color

CIELCh(69, 32.552, 296.236)

Conversions

Conversions Part 1

Format	Color
Hex	A7A2DD
RGB	167, 162, 221
RGB Percent	65%, 64%, 87%
CMY	0.3446, 0.3642, 0.1328
CMYK	0.24, 0.27, 0.00, 0.13
HSL	245°, 47%, 75%
HSV	245°, 27%, 87%
XYZ	41.9774, 39.3444, 73.8853
YIQ	170.2210, -15.9590, 19.4090

Conversions

Conversions Part 2

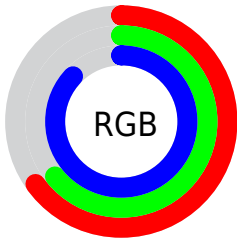
Format	Color
R _Y B	167, 162, 221
Decimal	10986205
CIE Lab	69.00, 14.39, -29.20
CIE LCh	69, 32.552, 296.236
Yxy	39.3444, 0.2705, 0.2535
Android (android.graphics.Color)	4289176285 (0xFFA7A2DD)
YUV	170.2210, 25.0340, -2.8248
Hunter-Lab	62.7251, 9.6881, -25.9314

Details

The CIELCh color $69, 32.552, 296.236$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $87, 30.561, 111.270$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 20.009, 297.578$, and $49, 33.012, 296.643$ is the 20% darker color. If you saturate the color by 10%, you get $62, 45.687, 297.575$, and if you desaturate by 10%, it is $76, 19.939, 295.081$.

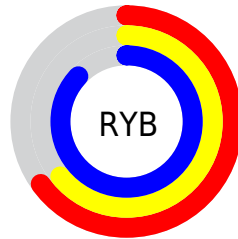
Distribution



Red (65%)

Green (64%)

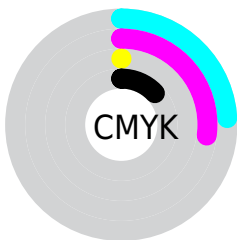
Blue (87%)



Red (65%)

Yellow (64%)

Blue (87%)

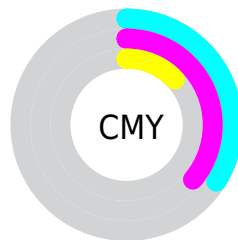


Cyan (24%)

Magenta (27%)

Yellow (0%)

Black (13%)



Cyan (34%)


Magenta (36%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 32.552, 296.236 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, 32.552, 296.236 by changing the saturation by 10% instead.


 69, 32.552,
296.236


 69, 32.552,
296.236


 100, 32.552,
296.236


 59, 32.552,
296.236


 89, 32.552,
296.236

 49, 32.552,
296.236

 99, 32.552,
296.236

 39, 32.552,
296.236

 29, 32.552,
296.236

 19, 32.552,
296.236

 9, 32.552, 296.236

 0, 32.552, 296.236

69, 32.552,
296.236

69, 32.552,
296.236

62, 45.687,
297.575

76, 19.939,
295.081

55, 59.328,
299.105

83, 7.833, 294.094

48, 73.345,
300.800

91, 3.797, 113.236

41, 87.372,
302.580

98, 14.987,
112.523

36, 100.563,
304.275

99, 17.125,
108.883

31, 111.408,
305.615

28, 118.127,
306.331

28, 119.724,

Harmonies

Complementary

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



69, 32.552, 296.236



87, 30.561, 111.270

Rectangle

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



69, 32.552, 296.236



69, 32.552, 346.236



69, 32.552, 116.236



69, 32.552, 166.236

Sweetspot

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



69, 32.550, 296.235



94, 10.553, 294.221



83, 18.063, 206.531



49, 7.521, 294.364



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, 32.550, 296.235



74, 44.329, 296.959



72, 34.434, 313.111



42, 6.643, 294.349



21, 99.757, 306.569



2, 29.711, 297.000

Inverse Universe

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



74, 35.881, 328.348



81, 48.196, 328.672



84, 33.422, 130.720



43, 7.550, 327.331



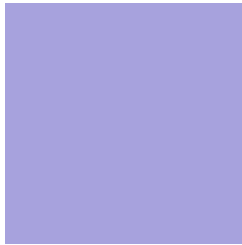
40, 81.005, 331.904



7, 32.570, 331.150

Previews

White Background



This preview shows how the CIELCh color 69, 32.552, 296.236 looks on a white background.

Color Contrast Check

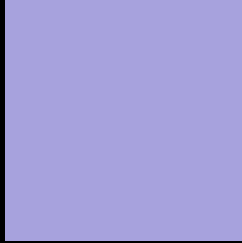
Large Text (above 18pt) WCAG AA × Fail

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, 32.552, 296.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

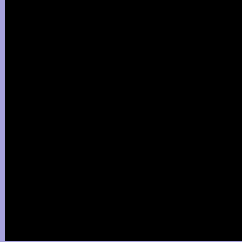
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 32.552, 296.236

Background



This preview shows how black text looks on a background with the CIELCh color 69, 32.552, 296.236.



This preview shows how white text looks on a background with the CIELCh color 69, 32.552, 296.236.

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, 32.552, 296.236

Protanopia

69, 32.024, 285.364

Deuteranopia

69, 29.743, 286.875



Tritanopia
69, 8.276, 267.937

Trichromacy



Original Color
69, 32.552, 296.236

Protanomaly
69, 31.885, 289.271

Deuteranomaly
69, 30.225, 290.072

Tritanomaly
69, 16.514, 286.991

Monochromacy



Original Color
69, 32.552, 296.236

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 12.123, 294.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 32.552, 296.236 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(167, 162, 221)` looks like.

```
.text, #text, p{  
    color:rgb(167, 162, 221)  
}
```

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(167, 162, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 162, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 32.552, 296.236 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(167, 162, 221) }
```

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

```
.border{ border-color:rgb(167, 162, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 162, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 162, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 162, 221);  
box-shadow:4px 4px 4px 4px rgb(167, 162,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 32.552, 296.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 162, 221) }
```

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

```
.background{ background-color: rgb(167,  
162, 221) }
```

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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