

Converting Colors

CIELCh(69, 31.553, 301.809)

Have a look what the booklet for
CIELCh(69, 31.553, 301.809)
contains.

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Color

CIELCh(69, 31.884, 302.286)

Conversions

Conversions Part 1

Format	Color
Hex	AFA0D9
RGB	175, 160, 217
RGB Percent	69%, 63%, 85%
CMY	0.3131, 0.3719, 0.1484
CMYK	0.19, 0.26, 0.00, 0.15
HSL	256°, 43%, 74%
HSV	256°, 26%, 85%
XYZ	42.8567, 39.3444, 71.0911
YIQ	170.9830, -9.3570, 20.9070

Conversions

Conversions Part 2

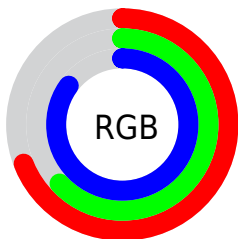
Format	Color
R _Y B	175, 160, 217
Decimal	11509977
CIE Lab	69.00, 17.03, -26.95
CIE LCh	69, 31.884, 302.286
Yxy	39.3444, 0.2796, 0.2567
Android (android.graphics.Color)	4289700057 (0xFFAFA0D9)
YUV	170.9830, 22.6864, 3.5229
Hunter-Lab	62.7251, 12.1905, -23.2903

Details

The CIELCh color $69, 31.884, 302.286$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 30.198, 118.794$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 21.691, 306.329$, and $49, 32.249, 302.716$ is the 20% darker color. If you saturate the color by 10%, you get $62, 44.809, 303.177$, and if you desaturate by 10%, it is $76, 19.382, 301.492$.

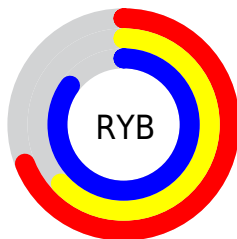
Distribution



Red (69%)

Green (63%)

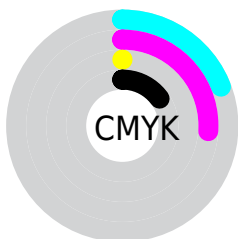
Blue (85%)



Red (69%)

Yellow (63%)

Blue (85%)

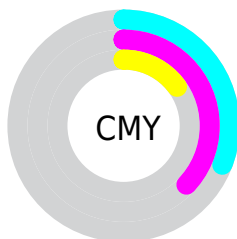


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (15%)



Cyan (31%)


Magenta (37%)


Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 31.884, 302.286 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, 31.884, 302.286 by changing the saturation by 10% instead.

 69, 31.884,
302.286


 69, 31.884,
302.286


 100, 31.884,
302.286


 59, 31.884,
302.286


 89, 31.884,
302.286

 49, 31.884,
302.286

 99, 31.884,
302.286

 39, 31.884,
302.286

 29, 31.884,
302.286

 19, 31.884,
302.286

 9, 31.884, 302.286

 0, 31.884, 302.286

69, 31.884,
302.286

69, 31.884,
302.286

62, 44.809,
303.177

76, 19.382,
301.492

56, 58.091,
304.158

83, 7.325, 300.793

89, 4.297, 120.202

49, 71.546,
305.196

96, 15.502,
119.673

43, 84.784,
306.224

99, 19.129,
108.730

38, 97.070,
307.124

33, 107.235,
307.716

30, 113.946,
307.809

29, 115.861,

Harmonies

Complementary

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



69, 31.884, 302.286



84, 30.198, 118.794

Rectangle

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



69, 31.884, 302.286



69, 31.884, 352.286



69, 31.884, 122.286



69, 31.884, 172.286

Sweetspot

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



69, 31.882, 302.285



94, 10.712, 300.914



79, 15.914, 227.252



49, 7.633, 301.017



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, 31.882, 302.285



75, 44.753, 302.813



71, 34.559, 318.428



42, 6.742, 301.007



22, 97.786, 307.918



2, 30.073, 301.385

Inverse Universe

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



72, 30.752, 334.634



80, 42.648, 335.089



83, 34.018, 136.009



43, 6.657, 333.429



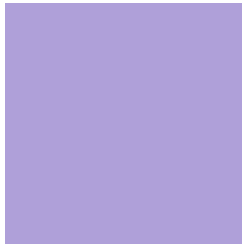
39, 70.895, 342.173



6, 28.730, 339.226

Previews

White Background



This preview shows how the CIELCh color 69, 31.884, 302.286 looks on a white background.

Color Contrast Check

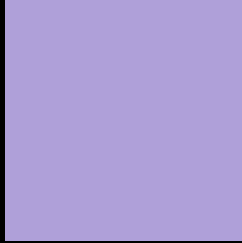
Large Text (above 18pt) WCAG AA × Fail

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, 31.884, 302.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

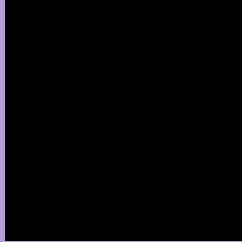
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 31.884, 302.286

Background



This preview shows how black text looks on a background with the CIELCh color 69, 31.884, 302.286.



This preview shows how white text looks on a background with the CIELCh color 69, 31.884, 302.286.

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, 31.884, 302.286

Protanopia

69, 30.913, 285.505

Deuteranopia

69, 28.044, 289.592



Tritanopia
69, 7.197, 296.754

Trichromacy



Original Color
69, 31.884, 302.286

Protanomaly
69, 30.788, 291.395

Deuteranomaly
69, 29.209, 294.999

Tritanomaly
69, 16.133, 299.347

Monochromacy



Original Color
69, 31.884, 302.286

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 11.770, 301.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 31.884, 302.286 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(175, 160, 217)` looks like.

```
.text, #text, p{  
    color:rgb(175, 160, 217)  
}
```

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(175, 160, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 160, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 31.884, 302.286 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(175, 160, 217) }
```

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

```
.border{ border-color:rgb(175, 160, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 160, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 160, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 160, 217);  
box-shadow:4px 4px 4px 4px rgb(175, 160,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 31.884, 302.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 160, 217) }
```

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

```
.background{ background-color: rgb(175,  
160, 217) }
```

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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