

Converting Colors

CIELCh(69, 45.119, 304.202)

Have a look what the booklet for
CIELCh(69, 45.119, 304.202)
contains.

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Color

CIELCh(69, 44.793, 304.182)

Conversions

Conversions Part 1

Format	Color
Hex	B49CEC
RGB	180, 156, 236
RGB Percent	71%, 61%, 93%
CMY	0.2956, 0.3897, 0.0761
CMYK	0.24, 0.34, 0.00, 0.08
HSL	258°, 67%, 77%
HSV	258°, 34%, 92%
XYZ	45.6429, 39.3444, 84.2438
YIQ	172.2960, -11.3760, 29.9680

Conversions

Conversions Part 2

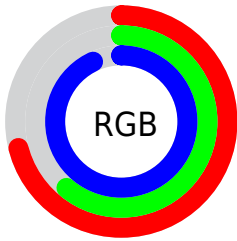
Format	Color
RYB	180, 156, 236
Decimal	11836652
CIELab	69.00, 25.17, -37.06
CIELCh	69, 44.793, 304.182
Yxy	39.3444, 0.2697, 0.2325
Android (android.graphics.Color)	4290026732 (0xFFB49CEC)
YUV	172.2960, 31.4061, 6.7564
Hunter-Lab	62.7251, 20.1195, -35.7227

Details

The CIELCh color `69, 44.793, 304.182` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `90, 41.768, 119.817`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 24.782, 312.925`, and `49, 44.617, 304.172` is the 20% darker color. If you saturate the color by 10%, you get `62, 58.891, 305.065`, and if you desaturate by 10%, it is `76, 31.060, 303.375`.

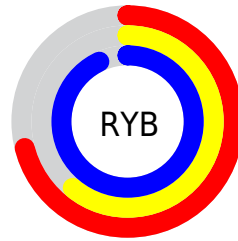
Distribution



Red (71%)

Green (61%)

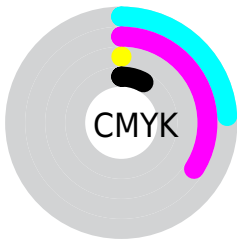
Blue (93%)



Red (71%)

Yellow (61%)

Blue (93%)

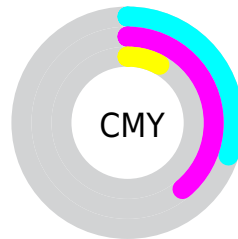


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (8%)



Cyan (30%)

Magenta (39%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 44.793, 304.182 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, 44.793, 304.182 by changing the saturation by 10% instead.

 69, 44.793,
304.182

 69, 44.793,
304.182

 100, 44.793,
304.182

 59, 44.793,
304.182

 89, 44.793,
304.182

 49, 44.793,
304.182

 99, 44.793,
304.182

 39, 44.793,
304.182

 29, 44.793,
304.182

 19, 44.793,
304.182

 9, 44.793, 304.182

 0, 44.793, 304.182

69, 44.793,
304.182

69, 44.793,
304.182

62, 58.891,
305.065

76, 31.060,
303.375

55, 73.178,
305.997

83, 17.770,
302.655

49, 87.277,
306.919

90, 4.942, 302.014

43, 100.482,
307.726

98, 7.432, 121.480

100, 9.818,
109.434

38, 111.667,
308.259

34, 119.454,
308.333

33, 122.538,
308.187

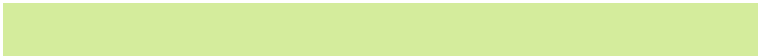
Harmonies

Complementary

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



69, 44.793, 304.182



90, 41.768, 119.817

Rectangle

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



69, 44.793, 304.182



69, 44.793, 354.182



69, 44.793, 124.182



69, 44.793, 174.182

Sweetspot

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



69, 44.791, 304.182



92, 13.498, 302.397



82, 21.369, 232.786



48, 9.232, 302.489



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, 44.791, 304.182



69, 58.353, 304.814



73, 48.197, 319.802



45, 7.160, 302.359



24, 100.398, 308.338



3, 36.653, 305.170

Inverse Universe

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



74, 41.343, 336.789



75, 52.930, 337.407



88, 47.395, 136.500



46, 6.855, 334.899



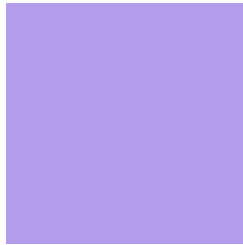
40, 71.404, 344.845



8, 31.482, 341.744

Previews

White Background



This preview shows how the CIELCh color 69, 44.793, 304.182 looks on a white background.

Color Contrast Check

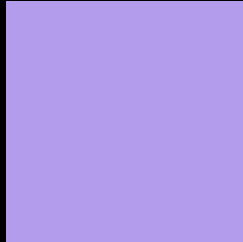
Large Text (above 18pt) WCAG AA × Fail

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, 44.793, 304.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

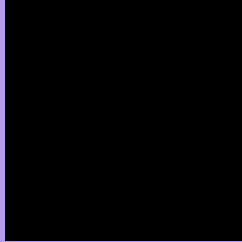
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 44.793, 304.182

Background



This preview shows how black text looks on a background with the CIELCh color 69, 44.793, 304.182.



This preview shows how white text looks on a background with the CIELCh color 69, 44.793, 304.182.

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





Tritanopia
69, 7.197, 296.754

Trichromacy



Original Color
69, 44.793, 304.182

Protanomaly
69, 43.400, 291.991

Deuteranomaly
69, 39.582, 292.687

Tritanomaly
69, 20.733, 301.907

Monochromacy



Original Color
69, 44.793, 304.182

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 16.299, 303.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 44.793, 304.182 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(180, 156, 236)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 236)  
}
```

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(180, 156, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 44.793, 304.182 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(180, 156, 236) }
```

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

```
.border{ border-color:rgb(180, 156, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 156, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 236);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 44.793, 304.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 236) }
```

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

```
.background{ background-color: rgb(180,  
156, 236) }
```

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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