

Converting Colors

CIELCh(69, 47.855, 301.647)

Have a look what the booklet for
CIELCh(69, 47.855, 301.647)
contains.

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Color

CIELCh(69, 47.791, 301.767)

Conversions

Conversions Part 1

Format	Color
Hex	AF9CF2
RGB	175, 156, 242
RGB Percent	69%, 61%, 95%
CMY	0.3134, 0.3879, 0.0506
CMYK	0.28, 0.36, 0.00, 0.05
HSL	253°, 77%, 78%
HSV	253°, 36%, 95%
XYZ	45.6411, 39.3444, 89.2632
YIQ	171.4850, -16.2820, 30.7740

Conversions

Conversions Part 2

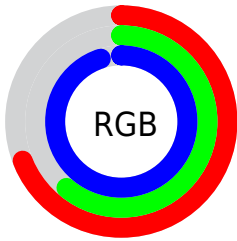
Format	Color
R_{YB}	175, 156, 242
Decimal	11508978
CIE _{Lab}	69.00, 25.16, -40.63
CIE _{LCh}	69, 47.791, 301.767
Yxy	39.3444, 0.2619, 0.2258
Android (android.graphics.Color)	4289699058 (0xFFAF9CF2)
YUV	171.4850, 34.7639, 3.0827
Hunter-Lab	62.7251, 20.1141, -40.4672

Details

The CIELCh color $69, 47.791, 301.767$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $92, 44.074, 116.441$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 24.232, 309.095$, and $49, 47.275, 301.511$ is the 20% darker color. If you saturate the color by 10%, you get $62, 62.315, 302.860$, and if you desaturate by 10%, it is $76, 33.703, 300.785$.

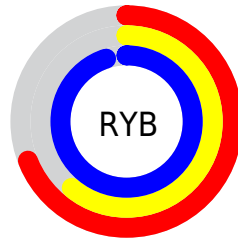
Distribution



Red (69%)

Green (61%)

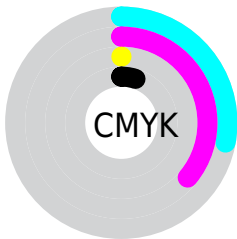
Blue (95%)



Red (69%)

Yellow (61%)

Blue (95%)

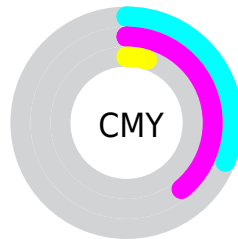


Cyan (28%)

Magenta (36%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (39%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 47.791, 301.767 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, 47.791, 301.767 by changing the saturation by 10% instead.

69, 47.791,
301.767

69, 47.791,
301.767

100, 47.791,
301.767

59, 47.791,
301.767

89, 47.791,
301.767

49, 47.791,
301.767

99, 47.791,
301.767

39, 47.791,
301.767

29, 47.791,
301.767

19, 47.791,
301.767

9, 47.791, 301.767

0, 47.791, 301.767

69, 47.791,
301.767

69, 47.791,
301.767

62, 62.315,
302.860

76, 33.703,
300.785

54, 77.104,
304.037

84, 20.114,
299.921

48, 91.751,
305.229

91, 7.031, 299.167

42, 105.449,
306.311

99, 5.565, 118.525

100, 6.534,
109.677

37, 116.853,
307.084

33, 124.348,
307.330

32, 126.594,
307.325

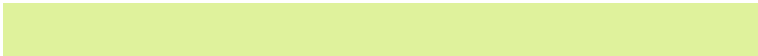
Harmonies

Complementary

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



69, 47.791, 301.767



92, 44.074, 116.441

Rectangle

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



69, 47.791, 301.767



69, 47.791, 351.767



69, 47.791, 121.767



69, 47.791, 171.767

Sweetspot

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



69, 47.790, 301.767



91, 14.739, 299.569



85, 22.929, 223.632



48, 9.929, 299.673



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, 47.790, 301.767



67, 61.145, 302.588



73, 50.890, 317.791



46, 7.220, 299.452



23, 102.698, 307.448



3, 38.467, 303.899

Inverse Universe

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



75, 46.629, 333.657



74, 58.371, 334.218



90, 49.647, 134.478



47, 7.381, 331.846



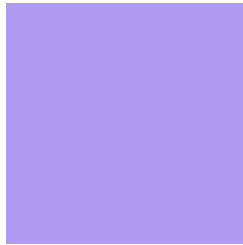
41, 76.146, 339.454



9, 34.002, 337.565

Previews

White Background



This preview shows how the CIELCh color 69, 47.791, 301.767 looks on a white background.

Color Contrast Check

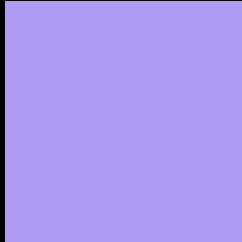
Large Text (above 18pt) WCAG AA × Fail

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, 47.791, 301.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

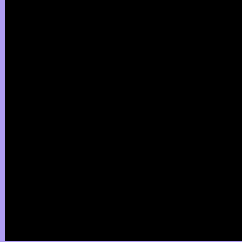
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 47.791, 301.767

Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.791, 301.767.



This preview shows how white text looks on a background with the CIELCh color 69, 47.791, 301.767.

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](#).

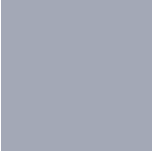
Dichromacy



Original Color
69, 47.791, 301.767

Protanopia
69, 46.336, 285.414

Deuteranopia
69, 40.418, 283.533



Tritanopia
69, 7.869, 277.662

Trichromacy



Original Color
69, 47.791, 301.767

Protanomaly
69, 46.676, 291.422

Deuteranomaly
69, 42.844, 290.702

Tritanomaly
69, 22.066, 295.041

Monochromacy



Original Color
69, 47.791, 301.767

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 17.253, 300.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 47.791, 301.767 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, 156, 242)` looks like.

```
.text, #text, p{  
    color:rgb(175, 156, 242)  
}
```

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, 156, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 156, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 47.791, 301.767 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, 156, 242) }
```

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

```
.border{ border-color:rgb(175, 156, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 156, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 156, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 156, 242); box-shadow:4px 4px 4px 4px rgb(175, 156, 242) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 47.791, 301.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 156, 242) }
```

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

```
.background{ background-color: rgb(175,  
156, 242) }
```

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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