

Converting Colors

CIELCh(69, 31.425, 303.636)

Have a look what the booklet for
CIELCh(69, 31.425, 303.636)
contains.

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Color

CIELCh(69, 31.458, 303.644)

Conversions

Conversions Part 1

Format	Color
Hex	B1A0D8
RGB	177, 160, 216
RGB Percent	69%, 63%, 85%
CMY	0.3067, 0.3733, 0.1537
CMYK	0.18, 0.26, 0.00, 0.15
HSL	258°, 42%, 74%
HSV	258°, 26%, 85%
XYZ	42.9903, 39.3444, 70.1539
YIQ	171.4670, -7.8440, 21.0200

Conversions

Conversions Part 2

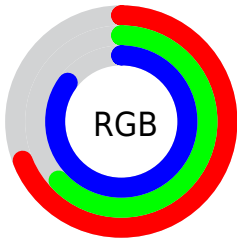
Format	Color
RYB	177, 160, 216
Decimal	11641048
CIELab	69.00, 17.43, -26.19
CIELCh	69, 31.458, 303.644
Yxy	39.3444, 0.2819, 0.2580
Android (android.graphics.Color)	4289831128 (0xFFB1A0D8)
YUV	171.4670, 21.9548, 4.8524
Hunter-Lab	62.7251, 12.5707, -22.4044

Details

The CIELCh color $69, 31.458, 303.644$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $84, 29.892, 120.436$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 21.872, 308.072$, and $49, 31.778, 304.092$ is the 20% darker color. If you saturate the color by 10%, you get $62, 44.314, 304.454$, and if you desaturate by 10%, it is $76, 18.997, 302.916$.

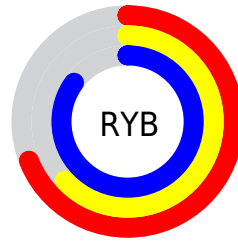
Distribution



Red (69%)

Green (63%)

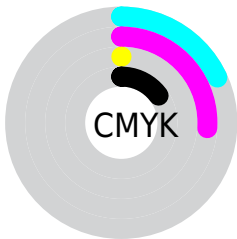
Blue (85%)



Red (69%)

Yellow (63%)

Blue (85%)

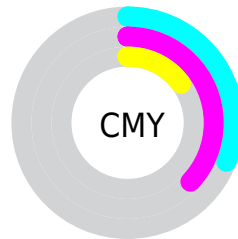


Cyan (18%)

Magenta (26%)

Yellow (0%)

Black (15%)



Cyan (31%)

Magenta (37%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 31.458, 303.644 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, 31.458, 303.644 by changing the saturation by 10% instead.

 69, 31.458,
303.644

 69, 31.458,
303.644

 100, 31.458,
303.644

 59, 31.458,
303.644


 89, 31.458,
303.644

 49, 31.458,
303.644

 99, 31.458,
303.644

 39, 31.458,
303.644

 29, 31.458,
303.644

 19, 31.458,
303.644

 9, 31.458, 303.644

 0, 31.458, 303.644

69, 31.458,
303.644

69, 31.458,
303.644

62, 44.314,
304.454

76, 18.997,
302.916

56, 57.488,
305.336

82, 6.963, 302.269

89, 4.649, 121.726

50, 70.787,
306.257

96, 15.853,
121.231

44, 83.817,
307.152

99, 19.860,
111.925

38, 95.868,
307.910

99, 19.817,
108.678

34, 105.845,
308.368

31, 112.508,
308.347

30, 114.554,

Harmonies

Complementary

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



69, 31.458, 303.644



84, 29.892, 120.436

Rectangle

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



69, 31.458, 303.644



69, 31.458, 353.644



69, 31.458, 123.644



69, 31.458, 173.644

Sweetspot

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



69, 31.456, 303.643



94, 10.767, 302.401



78, 15.611, 234.010



49, 7.671, 302.496



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, 31.456, 303.643



76, 43.430, 304.067



72, 34.380, 319.960



42, 6.646, 302.485



23, 96.067, 308.425



2, 28.082, 301.688

Inverse Universe

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



72, 29.405, 336.286



81, 40.209, 336.714



82, 33.971, 137.476



42, 6.344, 335.040



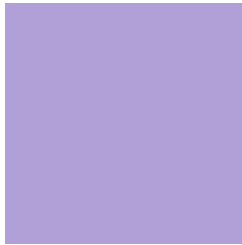
38, 68.301, 345.016



6, 26.401, 341.295

Previews

White Background



This preview shows how the CIELCh color 69, 31.458, 303.644 looks on a white background.

Color Contrast Check

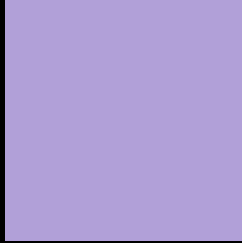
Large Text (above 18pt) WCAG AA × Fail

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, 31.458, 303.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

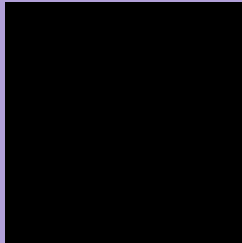
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 31.458, 303.644

Background



This preview shows how black text looks on a background with the CIELCh color 69, 31.458, 303.644.



This preview shows how white text looks on a background with the CIELCh color 69, 31.458, 303.644.

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, 31.458, 303.644

Protanopia

69, 30.341, 285.877

Deuteranopia

69, 27.488, 290.142



Tritanopia
69, 7.249, 299.645

Trichromacy



Original Color
69, 31.458, 303.644

Protanomaly
69, 30.239, 291.918

Deuteranomaly
69, 28.679, 295.655

Tritanomaly
69, 16.266, 301.851

Monochromacy



Original Color
69, 31.458, 303.644

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 11.232, 302.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 31.458, 303.644 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(177, 160, 216)` looks like.

```
.text, #text, p{  
    color:rgb(177, 160, 216)  
}
```

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(177, 160, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 160, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 31.458, 303.644 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(177, 160, 216) }
```

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

```
.border{ border-color:rgb(177, 160, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 160, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 160, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 160, 216);  
box-shadow:4px 4px 4px 4px rgb(177, 160,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 31.458, 303.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 160, 216) }
```

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

```
.background{ background-color: rgb(177,  
160, 216) }
```

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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