

Converting Colors

CIELCh(69, 2.999, 97.357)

Have a look what the booklet for
CIELCh(69, 2.999, 97.357) contains.

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Color

CIELCh(69, 2.830, 94.198)

Conversions

Conversions Part 1

Format	Color
Hex	AAA8A3
RGB	170, 168, 163
RGB Percent	67%, 66%, 64%
CMY	0.3322, 0.3400, 0.3597
CMYK	0.00, 0.01, 0.04, 0.33
HSL	43°, 4%, 65%
HSV	43°, 4%, 67%
XYZ	37.3323, 39.3444, 40.4116
YIQ	168.0280, 2.7970, -1.1310

Conversions

Conversions Part 2

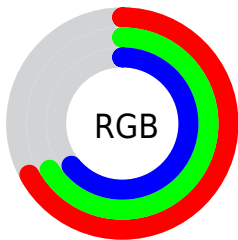
Format	Color
RYB	166, 170, 163
Decimal	11184291
CIELab	69.00, -0.21, 2.82
CIElCh	69, 2.830, 94.198
Yxy	39.3444, 0.3188, 0.3360
Android (android.graphics.Color)	4289374371 (0xFFAAA8A3)
YUV	168.0280, -2.4788, 1.7294
Hunter-Lab	62.7251, -3.5306, 5.7091

Details

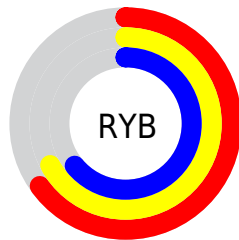
The CIELCh color $69, 2.830, 94.198$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 2.850, 275.336$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 2.682, 94.290$, and $49, 3.031, 94.024$ is the 20% darker color. If you saturate the color by 10%, you get $67, 9.814, 93.071$, and if you desaturate by 10%, it is $71, 4.041, 275.503$.

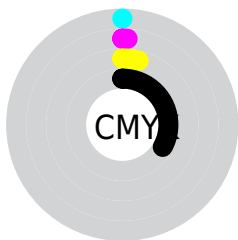
Distribution



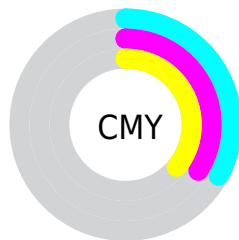
- Red (67%)
- Green (66%)
- Blue (64%)



- Red (65%)
- Yellow (67%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 2.830, 94.198 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, 2.830, 94.198 by changing the saturation by 10% instead.

 69, 2.830, 94.198

 69, 2.830, 94.198

 100, 2.830, 94.198

 59, 2.830, 94.198

 89, 2.830, 94.198

 49, 2.830, 94.198

 99, 2.830, 94.198

 39, 2.830, 94.198

 29, 2.830, 94.198

 19, 2.830, 94.198

 9, 2.830, 94.198

 0, 2.830, 94.198

 69, 2.830, 94.198

 69, 2.830, 94.198

 67, 9.814, 93.071

 71, 4.041, 275.503

66, 16.898, 91.832

73, 10.803,
276.588

64, 24.058, 90.551

74, 17.456,
277.645

62, 31.240, 89.234

61, 38.341, 87.880

76, 24.007,
278.655

59, 45.172, 86.478

78, 30.462,
279.615

58, 51.406, 84.997

57, 56.535, 83.374

80, 31.506,
277.444

55, 59.922, 81.491

81, 29.337,
272.857

82, 27.379,
267.623

83, 25.676,
261.692

Harmonies

Complementary

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



69, 2.830, 94.198



68, 2.850, 275.336

Rectangle

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



69, 2.830, 94.198



69, 2.830, 144.198



69, 2.830, 274.198



69, 2.830, 324.198

Sweetspot

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



69, 2.831, 94.231



88, 0.844, 94.393



68, 2.919, 356.188



47, 0.484, 94.384



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 2.831, 94.231



87, 4.275, 94.127



69, 3.865, 117.725



35, 2.320, 94.075



48, 55.398, 80.619



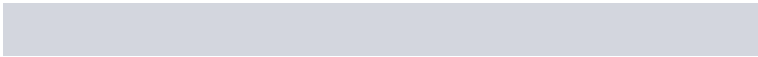
4, 6.536, 89.029

Inverse Universe

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



68, 2.850, 275.336



86, 4.299, 275.445



67, 3.912, 298.268



34, 2.333, 275.501



23, 68.820, 298.471



2, 7.369, 277.532

Previews

White Background



This preview shows how the CIELCh color 69, 2.830, 94.198 looks on a white background.

Color Contrast Check

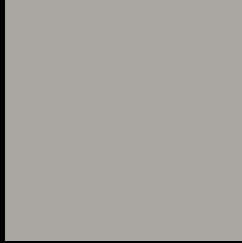
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 2.830, 94.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

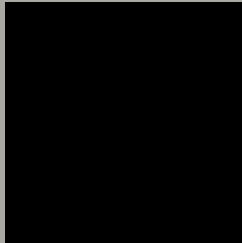
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

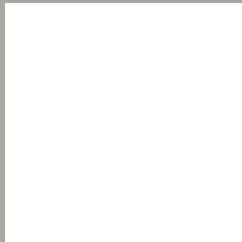
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 2.830, 94.198

Background



This preview shows how black text looks on a background with the CIELCh color 69, 2.830, 94.198.



This preview shows how white text looks on a background with the CIELCh color 69, 2.830, 94.198.

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, 2.830, 94.198

Protanopia

69, 3.325, 74.631

Deuteranopia

69, 8.934, 16.664



Tritanopia
69, 7.637, 310.693

Trichromacy



Original Color
69, 2.830, 94.198

Protanomaly
69, 3.121, 80.450

Deuteranomaly
69, 5.808, 25.224

Tritanomaly
69, 3.817, 319.902

Monochromacy



Original Color
69, 2.830, 94.198

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 1.149, 90.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 2.830, 94.198 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(170, 168, 163)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 163)  
}
```

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(170, 168, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 2.830, 94.198 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(170, 168, 163) }
```

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

```
.border{ border-color:rgb(170, 168, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 168, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 163);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 2.830, 94.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 163) }
```

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

```
.background{ background-color: rgb(170,  
168, 163) }
```

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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