

Converting Colors

CIELCh(69, 23.109, 116.341)

Have a look what the booklet for
CIELCh(69, 23.109, 116.341)
contains.

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Color

CIELCh(69, 23.080, 116.945)

Conversions

Conversions Part 1

Format	Color
Hex	A4AD83
RGB	164, 173, 131
RGB Percent	64%, 68%, 51%
CMY	0.3574, 0.3221, 0.4868
CMYK	0.05, 0.00, 0.24, 0.32
HSL	73°, 20%, 60%
HSV	73°, 24%, 68%
XYZ	34.2838, 39.3444, 27.2111
YIQ	165.5210, 8.1180, -14.9700

Conversions

Conversions Part 2

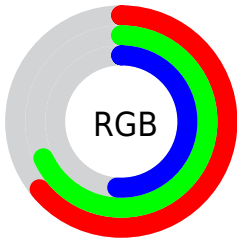
Format	Color
RYB	131, 173, 140
Decimal	10792323
CIELab	69.00, -10.46, 20.57
CIElCh	69, 23.080, 116.945
Yxy	39.3444, 0.3400, 0.3902
Android (android.graphics.Color)	4288982403 (0xFFA4AD83)
YUV	165.5210, -17.0189, -1.3339
Hunter-Lab	62.7251, -12.2058, 18.1867

Details

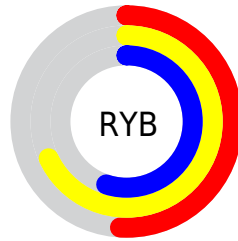
The CIELCh color $69, 23.080, 116.945$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $57, 24.301, 300.397$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 22.979, 116.857$, and $49, 23.389, 116.883$ is the 20% darker color. If you saturate the color by 10%, you get $68, 32.382, 116.290$, and if you desaturate by 10%, it is $70, 13.625, 117.615$.

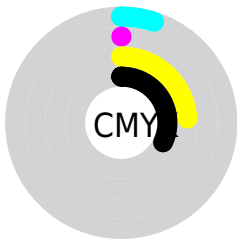
Distribution



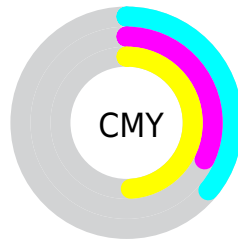
- Red (64%)
- Green (68%)
- Blue (51%)



- Red (51%)
- Yellow (68%)
- Blue (55%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (32%)



- Cyan (36%)
- Magenta (32%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 23.080, 116.945 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, 23.080, 116.945 by changing the saturation by 10% instead.

■ 69, 23.080,
116.945

■ 69, 23.080,
116.945

■ 100, 23.080,
116.945

■ 59, 23.080,
116.945

■ 89, 23.080,
116.945

■ 49, 23.080,
116.945

■ 99, 23.080,
116.945

■ 39, 23.080,
116.945

■ 29, 23.080,
116.945

■ 19, 23.080,
116.945

■ 9, 23.080, 116.945

■ 0, 23.080, 116.945

■ 69, 23.080,
116.945

■ 69, 23.080,
116.945

■ 68, 32.382,
116.290

■ 70, 13.625,
117.615

■ 68, 41.404,
115.668

■ 70, 4.094, 118.274

■ 67, 49.968,
115.120

■ 71, 5.457, 298.903

■ 67, 57.807,
114.704

■ 72, 14.990,
299.513

■ 67, 64.554,
114.496

■ 73, 24.475,
300.088

■ 66, 69.782,
114.588

■ 74, 33.892,
300.628


■ 66, 73.149,
115.062

■ 75, 43.226,
301.133

■ 66, 74.551,

■ 75, 45.024,
302.440

115.432

 75, 45.191,
303.933

Harmonies

Complementary

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



69, 23.080, 116.945



57, 24.301, 300.397

Rectangle

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



69, 23.080, 116.945



69, 23.080, 166.945



69, 23.080, 296.945



69, 23.080, 346.945

Sweetspot

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



69, 23.082, 116.948



89, 8.254, 118.089



61, 14.725, 39.170



47, 5.357, 118.052



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, 23.082, 116.948



87, 33.970, 116.603



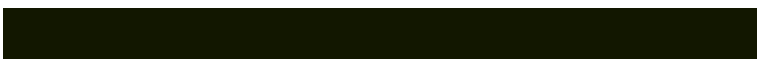
68, 25.760, 134.624



36, 5.413, 117.945



58, 67.269, 115.305



7, 11.598, 121.430

Inverse Universe

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



57, 24.301, 300.397



69, 36.214, 300.879



59, 26.226, 316.752



34, 5.522, 299.180



18, 88.601, 307.500



1, 11.447, 297.021

Previews

White Background



This preview shows how the CIELCh color 69, 23.080, 116.945 looks on a white background.

Color Contrast Check

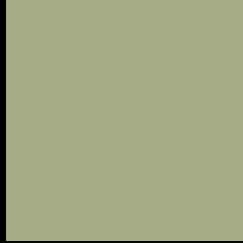
Large Text (above 18pt) WCAG AA × Fail

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, 23.080, 116.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

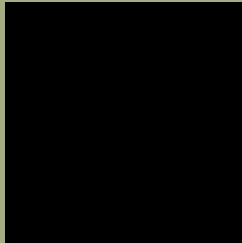
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 23.080, 116.945

Background



This preview shows how black text looks on a background with the CIELCh color 69, 23.080, 116.945.



This preview shows how white text looks on a background with the CIELCh color 69, 23.080, 116.945.

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, 23.080, 116.945

Protanopia
69, 21.831, 94.833

Deuteranopia
69, 21.451, 67.257



Tritanopia
69, 7.945, 304.333

Trichromacy



Original Color
69, 23.080, 116.945

Protanomaly
69, 21.804, 103.621

Deuteranomaly
69, 20.050, 86.473

Tritanomaly
69, 3.282, 109.826

Monochromacy



Original Color
69, 23.080, 116.945

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 8.307, 117.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 23.080, 116.945 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(164, 173, 131)` looks like.

```
.text, #text, p{  
    color:rgb(164, 173, 131)  
}
```

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(164, 173, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 173, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 23.080, 116.945 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(164, 173, 131) }
```

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

```
.border{ border-color:rgb(164, 173, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 173, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 173, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 173, 131);  
box-shadow:4px 4px 4px 4px rgb(164, 173,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 23.080, 116.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 173, 131) }
```

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

```
.background{ background-color: rgb(164,  
173, 131) }
```

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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