

Converting Colors

CIELCh(69, 20.271, 106.464)

Have a look what the booklet for
CIELCh(69, 20.271, 106.464)
contains.

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Color

CIELCh(69, 20.145, 105.788)

Conversions

Conversions Part 1

Format	Color
Hex	ACAA85
RGB	172, 170, 133
RGB Percent	67%, 67%, 52%
CMY	0.3245, 0.3323, 0.4775
CMYK	0.00, 0.01, 0.23, 0.32
HSL	57°, 19%, 60%
HSV	57°, 23%, 68%
XYZ	35.7423, 39.3444, 27.9892
YIQ	166.3800, 13.0690, -11.0830

Conversions

Conversions Part 2

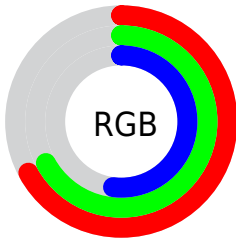
Format	Color
RYB	135, 172, 133
Decimal	11315845
CIELab	69.00, -5.48, 19.39
CIELCh	69, 20.145, 105.788
Yxy	39.3444, 0.3468, 0.3817
Android (android.graphics.Color)	4289505925 (0xFFACAA85)
YUV	166.3800, -16.4563, 4.9287
Hunter-Lab	62.7251, -8.0552, 17.4512

Details

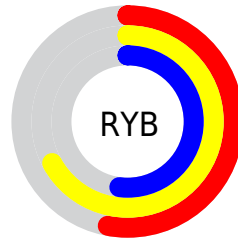
The CIELCh color $69, 20.145, 105.788$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $57, 21.106, 290.709$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 20.197, 105.247$, and $49, 20.280, 106.192$ is the 20% darker color. If you saturate the color by 10%, you get $68, 28.911, 104.787$, and if you desaturate by 10%, it is $70, 11.273, 106.795$.

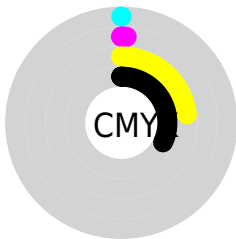
Distribution



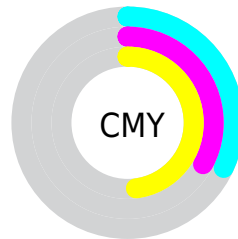
- Red (67%)
- Green (67%)
- Blue (52%)



- Red (53%)
- Yellow (67%)
- Blue (52%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (32%)




- Cyan (32%)
- Magenta (33%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 20.145, 105.788 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, 20.145, 105.788 by changing the saturation by 10% instead.

 69, 20.145,
105.788


 69, 20.145,
105.788


 100, 20.145,
105.788

 59, 20.145,
105.788

 89, 20.145,
105.788

 49, 20.145,
105.788

 99, 20.145,
105.788

 39, 20.145,
105.788

 29, 20.145,
105.788

 19, 20.145,
105.788

 9, 20.145, 105.788

 0, 20.145, 105.788

69, 20.145,
105.788

69, 20.145,
105.788

68, 28.911,
104.787

70, 11.273,
106.795

68, 37.463,
103.796

70, 2.354, 107.760

71, 6.568, 288.770

67, 45.639,
102.838

72, 15.468,
289.699

67, 53.190,
101.939

73, 24.329,
290.596

67, 59.752,
101.127

73, 33.138,
291.454

66, 64.871,
100.431

74, 41.886,
292.270

66, 68.121, 99.869

75, 42.011,
291.913

66, 69.585, 99.519

■ 75, 41.509,
291.462

Harmonies

Complementary

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



69, 20.145, 105.788



57, 21.106, 290.709

Rectangle

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



69, 20.145, 105.788



69, 20.145, 155.788



69, 20.145, 285.788



69, 20.145, 335.788

Sweetspot

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



69, 20.146, 105.793



89, 7.736, 107.339



59, 15.936, 15.851



47, 5.021, 107.284



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, 20.146, 105.793



87, 29.728, 105.306



68, 22.317, 125.627



36, 5.074, 107.125



58, 63.013, 99.557



7, 10.506, 106.999

Inverse Universe

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



57, 21.106, 290.709



70, 31.499, 291.411



58, 23.116, 307.857



34, 5.173, 289.035



17, 87.735, 305.500



1, 10.873, 288.459

Previews

White Background



This preview shows how the CIELCh color 69, 20.145, 105.788 looks on a white background.

Color Contrast Check

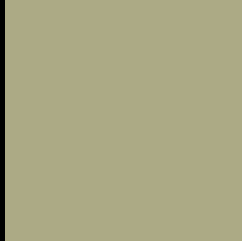
Large Text (above 18pt) WCAG AA × Fail

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, 20.145, 105.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

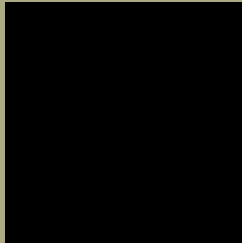
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

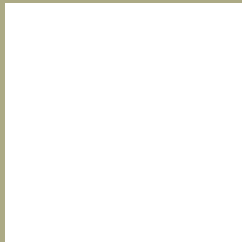
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 20.145, 105.788

Background



This preview shows how black text looks on a background with the CIELCh color 69, 20.145, 105.788.



This preview shows how white text looks on a background with the CIELCh color 69, 20.145, 105.788.

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, 20.145, 105.788

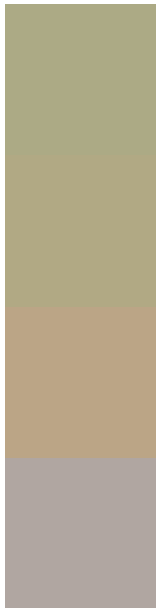
Protanopia
69, 20.148, 95.174

Deuteranopia
69, 20.602, 65.463



Tritanopia
69, 8.901, 326.835

Trichromacy



Original Color
69, 20.145, 105.788

Protanomaly
69, 20.414, 98.846

Deuteranomaly
69, 19.301, 80.351

Tritanomaly
69, 4.725, 54.942

Monochromacy



Original Color
69, 20.145, 105.788

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 7.122, 106.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 20.145, 105.788 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(172, 170, 133)` looks like.

```
.text, #text, p{  
    color:rgb(172, 170, 133)  
}
```

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(172, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 170, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 20.145, 105.788 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(172, 170, 133) }
```

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

```
.border{ border-color:rgb(172, 170, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 170, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(172, 170,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 20.145, 105.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 170, 133) }
```

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

```
.background{ background-color: rgb(172,  
170, 133) }
```

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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