

Converting Colors

CIELCh(69, 20.849, 109.391)

Have a look what the booklet for
CIELCh(69, 20.849, 109.391)
contains.

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Color

CIELCh(69, 20.657, 109.189)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB85
RGB	170, 171, 133
RGB Percent	67%, 67%, 52%
CMY	0.3335, 0.3296, 0.4786
CMYK	0.01, 0.00, 0.22, 0.33
HSL	62°, 18%, 60%
HSV	62°, 22%, 67%
XYZ	35.3549, 39.3444, 27.9072
YIQ	166.3690, 11.6020, -12.0300

Conversions

Conversions Part 2

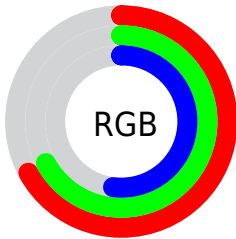
Format	Color
RYB	133, 171, 134
Decimal	11185029
CIELab	69.00, -6.79, 19.51
CIELCh	69, 20.657, 109.189
Yxy	39.3444, 0.3446, 0.3834
Android (android.graphics.Color)	4289375109 (0xFFAAAB85)
YUV	166.3690, -16.4509, 3.1844
Hunter-Lab	62.7251, -9.1576, 17.5287

Details

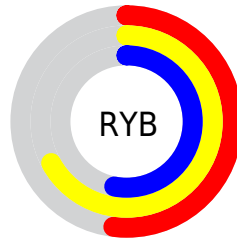
The CIELCh color $69, 20.657, 109.189$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $57, 21.740, 293.612$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 20.670, 108.462$, and $49, 20.839, 109.824$ is the 20% darker color. If you saturate the color by 10%, you get $69, 29.770, 108.285$, and if you desaturate by 10%, it is $69, 11.403, 110.107$.

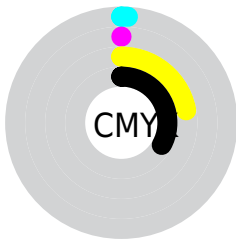
Distribution



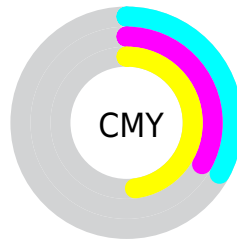
- Red (67%)
- Green (67%)
- Blue (52%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 20.657, 109.189 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, 20.657, 109.189 by changing the saturation by 10% instead.


 69, 20.657,
109.189


 69, 20.657,
109.189


 100, 20.657,
109.189


 59, 20.657,
109.189


 89, 20.657,
109.189

 49, 20.657,
109.189

 99, 20.657,
109.189

 39, 20.657,
109.189

 29, 20.657,
109.189

 19, 20.657,
109.189

 9, 20.657, 109.189

 0, 20.657, 109.189

69, 20.657,
109.189

69, 20.657,
109.189

69, 29.770,
108.285

69, 11.403,
110.107

68, 38.626,
107.402

70, 2.074, 110.996

70, 7.280, 291.914

68, 47.057,
106.573

71, 16.626,
292.771

68, 54.809,
105.830

72, 25.944,
293.596

68, 61.528,
105.215

72, 35.215,
294.384

68, 66.785,
104.774

73, 44.426,
295.131

68, 70.206,
104.545

73, 45.696,
295.378

67, 71.865,

104.480

■ 73, 45.699,
295.549

Harmonies

Complementary

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



69, 20.657, 109.189



57, 21.740, 293.612

Rectangle

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



69, 20.657, 109.189



69, 20.657, 159.189



69, 20.657, 289.189



69, 20.657, 339.189

Sweetspot

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



69, 20.658, 109.193



88, 8.074, 110.570



59, 15.329, 22.297



47, 5.288, 110.518



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, 20.658, 109.193



87, 30.931, 108.714



68, 22.205, 128.659



37, 5.343, 110.372



60, 65.415, 104.463



7, 11.353, 111.709

Inverse Universe

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



57, 21.740, 293.612



69, 32.998, 294.311



58, 22.855, 310.661



33, 5.459, 292.123



17, 90.124, 306.387



1, 11.351, 291.027

Previews

White Background



This preview shows how the CIELCh color 69, 20.657, 109.189 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, 20.657, 109.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

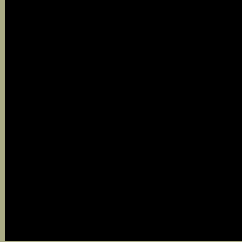
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

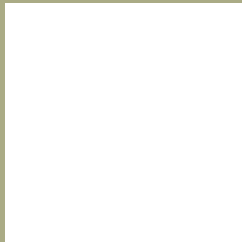
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 20.657, 109.189

Background



This preview shows how black text looks on a background with the CIELCh color 69, 20.657, 109.189.



This preview shows how white text looks on a background with the CIELCh color 69, 20.657, 109.189.

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, 20.657, 109.189

Protanopia

69, 20.148, 95.174

Deuteranopia

69, 20.602, 65.463



Tritanopia
69, 8.278, 320.479

Trichromacy



Original Color
69, 20.657, 109.189

Protanomaly
69, 20.350, 99.992

Deuteranomaly
69, 19.301, 80.351

Tritanomaly
69, 3.825, 65.077

Monochromacy



Original Color
69, 20.657, 109.189

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.677, 112.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 20.657, 109.189 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, 171, 133)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 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(170, 171, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 20.657, 109.189 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, 171, 133) }
```

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

```
.border{ border-color:rgb(170, 171, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 133);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 20.657, 109.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 133) }
```

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

```
.background{ background-color: rgb(170,  
171, 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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