

Converting Colors

CIELCh(69, 18.511, 108.777)

Have a look what the booklet for
CIELCh(69, 18.511, 108.777)
contains.

CIELCh(69, 18.503, 109.534)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 18.503, 109.534)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB89
RGB	170, 171, 137
RGB Percent	67%, 67%, 54%
CMY	0.3344, 0.3304, 0.4637
CMYK	0.01, 0.00, 0.20, 0.33
HSL	62°, 17%, 60%
HSV	62°, 20%, 67%
XYZ	35.5331, 39.3444, 29.2946
YIQ	166.8250, 10.3180, -10.7860

Conversions

Conversions Part 2

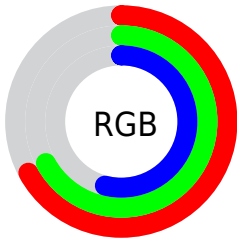
Format	Color
RYB	137, 171, 138
Decimal	11185033
CIELab	69.00, -6.19, 17.44
CIELCh	69, 18.503, 109.534
Yxy	39.3444, 0.3411, 0.3777
Android (android.graphics.Color)	4289375113 (0xFFAAAB89)
YUV	166.8250, -14.7037, 2.7845
Hunter-Lab	62.7251, -8.6507, 16.2173

Details

The CIELCh color $69, 18.503, 109.534$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $58, 19.362, 293.432$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 18.614, 108.634$, and $49, 18.548, 109.055$ is the 20% darker color. If you saturate the color by 10%, you get $69, 27.649, 108.632$, and if you desaturate by 10%, it is $69, 9.235, 110.447$.

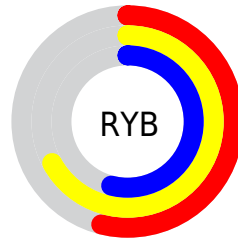
Distribution



Red (67%)

Green (67%)

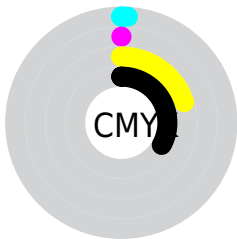
Blue (54%)



Red (54%)

Yellow (67%)

Blue (54%)

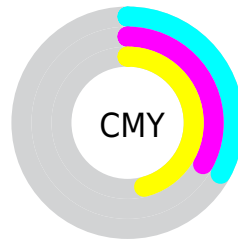


Cyan (1%)

Magenta (0%)

Yellow (20%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 18.503, 109.534 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, 18.503, 109.534 by changing the saturation by 10% instead.

 69, 18.503,
109.534

 69, 18.503,
109.534


 100, 18.503,
109.534


 59, 18.503,
109.534


 89, 18.503,
109.534

 49, 18.503,
109.534

 99, 18.503,
109.534

 39, 18.503,
109.534

 29, 18.503,
109.534

 19, 18.503,
109.534

 9, 18.503, 109.534

 0, 18.503, 109.534

69, 18.503,
109.534

69, 18.503,
109.534

69, 27.649,
108.632

69, 9.235, 110.447

68, 36.568,
107.746

70, 0.093, 291.855

70, 9.439, 292.233

68, 45.108,
106.906

71, 18.771,
293.078

68, 53.038,
106.145

72, 28.070,
293.890

68, 60.028,
105.503

72, 37.319,
294.664

68, 65.659,
105.026

73, 45.823,
295.358

67, 69.527,
104.756

73, 45.826,
295.548

67, 71.788,

104.672

■ 73, 45.830,
295.738

■ 67, 71.807,
104.672

Harmonies

Complementary

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



69, 18.503, 109.534



58, 19.362, 293.432

Rectangle

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



69, 18.503, 109.534



69, 18.503, 159.534



69, 18.503, 289.534



69, 18.503, 339.534

Sweetspot

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



69, 18.505, 109.539



88, 6.921, 110.787



60, 13.593, 22.092



47, 4.627, 110.732



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, 18.505, 109.539



87, 27.544, 109.128



68, 19.871, 128.769



36, 5.213, 110.504



59, 64.611, 104.651



6, 9.564, 111.812

Inverse Universe

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



58, 19.362, 293.432



71, 29.149, 294.005



60, 20.390, 310.546



33, 5.326, 292.238



16, 88.984, 306.401



1, 9.562, 291.180

Previews

White Background



This preview shows how the CIELCh color 69, 18.503, 109.534 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, 18.503, 109.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

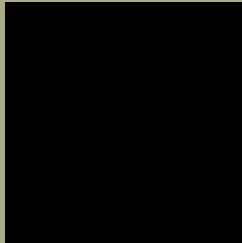
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

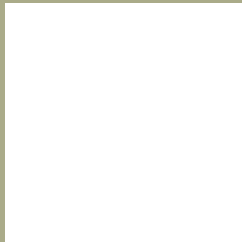
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 18.503, 109.534

Background



This preview shows how black text looks on a background with the CIELCh color 69, 18.503, 109.534.



This preview shows how white text looks on a background with the CIELCh color 69, 18.503, 109.534.

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, 18.503, 109.534

Protanopia

69, 18.561, 94.291

Deuteranopia

69, 18.660, 62.208



Tritanopia
69, 8.099, 318.171

Trichromacy



Original Color
69, 18.503, 109.534

Protanomaly
69, 18.208, 99.323

Deuteranomaly
69, 17.148, 78.555

Tritanomaly
69, 3.162, 63.192

Monochromacy



Original Color
69, 18.503, 109.534

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 6.568, 109.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 18.503, 109.534 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 18.503, 109.534 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, 137) }
```

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

```
.border{ border-color:rgb(170, 171, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 137);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 18.503, 109.534 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, 137) }
```

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

```
.background{ background-color: rgb(170,  
171, 137) }
```

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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