

Converting Colors

CIE LCh(69, 20.102, 114.900)

Have a look what the booklet for
CIELCh(69, 20.102, 114.900)
contains.

CIELCh(69, 20.261, 114.982)	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, 20.261, 114.982)

Conversions

Conversions Part 1

Format	Color
Hex	A6AC87
RGB	166, 172, 135
RGB Percent	65%, 67%, 53%
CMY	0.3491, 0.3256, 0.4707
CMYK	0.03, 0.00, 0.22, 0.33
HSL	70°, 18%, 60%
HSV	70°, 22%, 67%
XYZ	34.8362, 39.3444, 28.6679
YIQ	165.9880, 8.3010, -12.7790

Conversions

Conversions Part 2

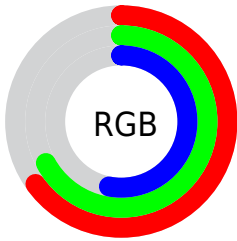
Format	Color
R _{YB}	135, 172, 141
Decimal	10923143
CIE Lab	69.00, -8.56, 18.37
CIE LCh	69, 20.261, 114.982
Yxy	39.3444, 0.3387, 0.3825
Android (android.graphics.Color)	4289113223 (0xFFA6AC87)
YUV	165.9880, -15.2771, 0.0105
Hunter-Lab	62.7251, -10.6337, 16.8097

Details

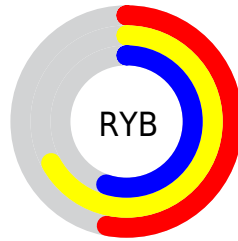
The CIELCh color **69, 20.261, 114.982** is a light color, and the websafe version is hex **999966**. A complement of this color would be **58, 21.236, 298.311**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 20.291, 114.933**, and **49, 20.413, 114.886** is the 20% darker color. If you saturate the color by 10%, you get **68, 29.514, 114.262**, and if you desaturate by 10%, it is **70, 10.876, 115.712**.

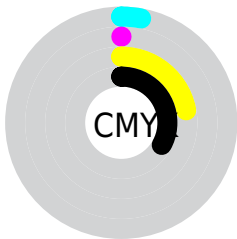
Distribution



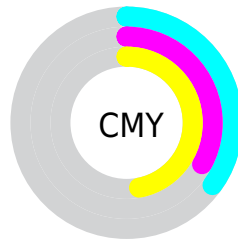
- Red (65%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (55%)



- Cyan (3%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





- Cyan (35%)
- Magenta (33%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 20.261, 114.982 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, 20.261, 114.982 by changing the saturation by 10% instead.


 69, 20.261,
114.982


 69, 20.261,
114.982


 100, 20.261,
114.982


 59, 20.261,
114.982


 89, 20.261,
114.982

 49, 20.261,
114.982

 99, 20.261,
114.982

 39, 20.261,
114.982

 29, 20.261,
114.982

 19, 20.261,
114.982

 9, 20.261, 114.982

 0, 20.261, 114.982

■ 69, 20.261,
114.982

■ 69, 20.261,
114.982

■ 68, 29.514,
114.262

■ 70, 10.876,
115.712

■ 68, 38.522,
113.566

■ 70, 1.427, 116.426

■ 68, 47.126,
112.929

■ 71, 8.038, 297.120

■ 67, 55.083,
112.399

■ 72, 17.482,
297.782

■ 67, 62.053,
112.040

■ 72, 26.882,
298.410

■ 67, 67.615,
111.931

■ 73, 36.219,
299.003


■ 66, 71.381,
112.149

■ 74, 45.292,
299.570

■ 66, 73.403,

■ 74, 45.374,
300.670

112.546

 75, 45.471,
301.775

Harmonies

Complementary

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



69, 20.261, 114.982



58, 21.236, 298.311

Rectangle

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



69, 20.261, 114.982



69, 20.261, 164.982



69, 20.261, 294.982



69, 20.261, 344.982

Sweetspot

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



69, 20.263, 114.986



89, 7.037, 116.101



61, 13.266, 34.056



47, 4.662, 116.057



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, 20.263, 114.986



87, 30.328, 114.626



68, 22.387, 133.186



36, 5.384, 115.872



58, 66.503, 112.448



7, 11.503, 118.949

Inverse Universe

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



58, 21.236, 298.311



71, 32.170, 298.803



60, 22.819, 315.028



34, 5.496, 297.235



18, 89.172, 307.064



1, 11.408, 295.370

Previews

White Background



This preview shows how the CIELCh color 69, 20.261, 114.982 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, 20.261, 114.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

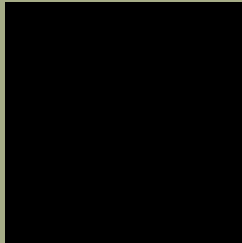
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 20.261, 114.982

Background



This preview shows how black text looks on a background with the CIELCh color 69, 20.261, 114.982.



This preview shows how white text looks on a background with the CIELCh color 69, 20.261, 114.982.

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, 20.261, 114.982

Protanopia
69, 19.619, 94.898

Deuteranopia
69, 19.469, 64.348



Tritanopia
69, 7.516, 308.031

Trichromacy



Original Color
69, 20.261, 114.982

Protanomaly
69, 19.175, 102.107

Deuteranomaly
69, 18.022, 84.292

Tritanomaly
69, 2.830, 94.198

Monochromacy



Original Color
69, 20.261, 114.982

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.167, 115.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 20.261, 114.982 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(166, 172, 135)` looks like.

```
.text, #text, p{  
    color:rgb(166, 172, 135)  
}
```

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(166, 172, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 172, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 20.261, 114.982 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(166, 172, 135) }
```

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

```
.border{ border-color:rgb(166, 172, 135) }
```

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

Here you see how a box with a 4 pixel rgb(166, 172, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 172, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 172, 135);  
box-shadow:4px 4px 4px 4px rgb(166, 172,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 20.261, 114.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 172, 135) }
```

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

```
.background{ background-color: rgb(166,  
172, 135) }
```

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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