

Converting Colors

CIELCh(67, 20.174, 149.698)

Have a look what the booklet for
CIELCh(67, 20.174, 149.698)
contains.

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Color

CIELCh(67, 20.509, 149.127)

Conversions

Conversions Part 1

Format	Color
Hex	89AC90
RGB	137, 172, 144
RGB Percent	54%, 67%, 56%
CMY	0.4643, 0.3271, 0.4369
CMYK	0.20, 0.00, 0.16, 0.33
HSL	132°, 17%, 60%
HSV	132°, 20%, 67%
XYZ	29.9269, 36.6320, 31.7175
YIQ	158.3430, -11.8720, -16.1280

Conversions

Conversions Part 2

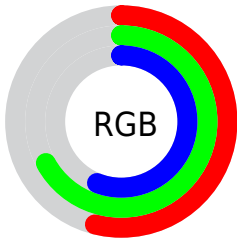
Format	Color
RYB	137, 166, 172
Decimal	9022608
CIELab	67.00, -17.60, 10.52
CIELCh	67, 20.509, 149.127
Yxy	36.6320, 0.3045, 0.3727
Android (android.graphics.Color)	4287212688 (0xFF89AC90)
YUV	158.3430, -7.0711, -18.7178
Hunter-Lab	60.5244, -17.6565, 11.2964

Details

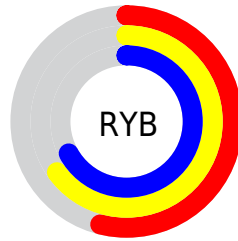
The CIELCh color $67, 20.509, 149.127$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $61, 20.593, 331.791$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 20.089, 149.268$, and $47, 20.727, 149.744$ is the 20% darker color. If you saturate the color by 10%, you get $66, 30.553, 148.256$, and if you desaturate by 10%, it is $68, 10.412, 149.888$.

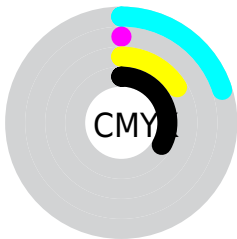
Distribution



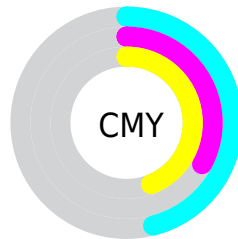
- Red (54%)
- Green (67%)
- Blue (56%)



- Red (54%)
- Yellow (65%)
- Blue (67%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)





- Cyan (46%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 20.509, 149.127 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 67, 20.509, 149.127 by changing the saturation by 10% instead.


 67, 20.509,
149.127


 67, 20.509,
149.127


 100, 20.509,
149.127


 57, 20.509,
149.127


 87, 20.509,
149.127

 47, 20.509,
149.127

 97, 20.509,
149.127

 37, 20.509,
149.127

 27, 20.509,
149.127

 17, 20.509,
149.127

 7, 20.509, 149.127

 0, 20.509, 149.127

67, 20.509,
149.127

67, 20.509,
149.127

66, 30.553,
148.256

68, 10.412,
149.888

65, 40.382,
147.250

70, 0.383, 151.228

64, 49.810,
146.094

72, 9.486, 331.040

63, 58.625,
144.780

74, 19.128,
331.544

62, 66.607,
143.314

76, 28.503,
331.978

62, 73.544,
141.730

78, 37.587,
332.360


61, 79.247,
140.097

80, 46.023,
332.062

61, 83.527,

81, 51.473,
326.758

138.658

 81, 52.136,
326.223

Harmonies

Complementary

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



67, 20.509, 149.127



61, 20.593, 331.791

Rectangle

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



67, 20.509, 149.127



67, 20.509, 199.127



67, 20.509, 329.127



67, 20.509, 19.127

Sweetspot

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



67, 20.511, 149.127



87, 7.387, 150.195



69, 19.254, 116.622



46, 4.942, 150.150



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 20.511, 149.127



84, 29.761, 148.791



67, 14.181, 174.070



36, 5.717, 149.965



54, 75.497, 138.841



6, 12.368, 149.279

Inverse Universe

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



61, 20.593, 331.791



75, 29.888, 332.056



60, 15.030, 357.994



34, 5.736, 331.071



34, 66.913, 337.969



2, 11.434, 333.198

Previews

White Background



This preview shows how the CIELCh color 67, 20.509, 149.127 looks on a white background.

Color Contrast Check

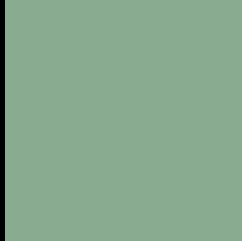
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 20.509, 149.127 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 67, 20.509, 149.127

Background



This preview shows how black text looks on a background with the CIELCh color 67, 20.509, 149.127.



This preview shows how white text looks on a background with the CIELCh color 67, 20.509, 149.127.

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
67, 20.509, 149.127

Protanopia
67, 13.159, 92.801

Deuteranopia
67, 12.208, 46.889



Tritanopia
67, 10.922, 240.167

Trichromacy



Original Color
67, 20.509, 149.127

Protanomaly
67, 13.490, 120.661

Deuteranomaly
67, 9.020, 96.552

Tritanomaly
67, 10.267, 192.365

Monochromacy



Original Color
67, 20.509, 149.127

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 7.483, 151.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 20.509, 149.127 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(137, 172, 144)` looks like.

```
.text, #text, p{  
    color:rgb(137, 172, 144)  
}
```

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(137, 172, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 172, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 20.509, 149.127 is called "border". The border property can be set on classes, ids or directly on the HTML element.

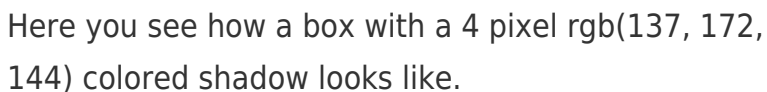
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 172, 144) }
```

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

```
.border{ border-color:rgb(137, 172, 144) }
```

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



Here you see how a box with a 4 pixel rgb(137, 172, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 172, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 172, 144);  
box-shadow:4px 4px 4px 4px rgb(137, 172,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 20.509, 149.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 172, 144) }
```

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

```
.background{ background-color: rgb(137,  
172, 144) }
```

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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