

Converting Colors

CIELCh(64, 27.630, 119.800)

Have a look what the booklet for
CIELCh(64, 27.630, 119.800)
contains.

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Color

CIELCh(64, 27.488, 119.492)

Conversions

Conversions Part 1

Format	Color
Hex	93A170
RGB	147, 161, 112
RGB Percent	58%, 63%, 44%
CMY	0.4240, 0.3691, 0.5613
CMYK	0.09, 0.00, 0.30, 0.37
HSL	77°, 21%, 53%
HSV	77°, 30%, 63%
XYZ	27.6486, 32.8017, 20.1669
YIQ	151.2280, 7.3850, -18.2070

Conversions

Conversions Part 2

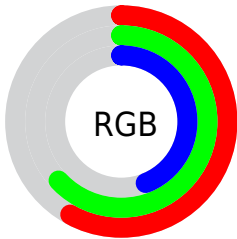
Format	Color
RYB	112, 161, 126
Decimal	9675120
CIELab	64.00, -13.53, 23.93
CIELCh	64, 27.488, 119.492
Yxy	32.8017, 0.3430, 0.4069
Android (android.graphics.Color)	4287865200 (0xFF93A170)
YUV	151.2280, -19.3394, -3.7080
Hunter-Lab	57.2727, -14.0557, 19.2137

Details

The CIELCh color $64, 27.488, 119.492$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $50, 29.219, 303.354$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 27.711, 119.946$, and $44, 26.913, 119.092$ is the 20% darker color. If you saturate the color by 10%, you get $63, 36.236, 118.927$, and if you desaturate by 10%, it is $65, 18.543, 120.084$.

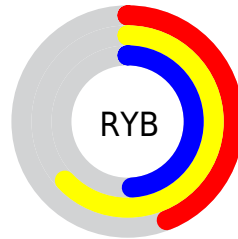
Distribution



Red (58%)

Green (63%)

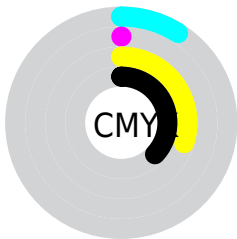
Blue (44%)



Red (44%)

Yellow (63%)

Blue (49%)

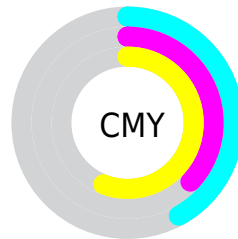


Cyan (9%)

Magenta (0%)

Yellow (30%)

Black (37%)



Cyan (42%)

Magenta (37%)

Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 27.488, 119.492 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 64, 27.488, 119.492 by changing the saturation by 10% instead.

 64, 27.488,
119.492

 64, 27.488,
119.492

 100, 27.488,
119.492

 54, 27.488,
119.492

 84, 27.488,
119.492

 44, 27.488,
119.492

 94, 27.488,
119.492

 34, 27.488,
119.492

 24, 27.488,
119.492

 14, 27.488,
119.492

 4, 27.488, 119.492

 0, 27.488, 119.492

■ 64, 27.488,
119.492

■ 64, 27.488,
119.492

■ 63, 36.236,
118.927

■ 65, 18.543,
120.084

■ 63, 44.638,
118.417

■ 65, 9.493, 120.673

■ 66, 0.406, 121.331

■ 62, 52.486,
118.016

■ 67, 8.672, 301.783

■ 62, 59.480,
117.800

■ 68, 17.709,
302.302

■ 62, 65.238,
117.864

■ 69, 26.680,
302.785

■ 61, 69.387,
118.311

■ 70, 35.567,
303.235

■ 61, 72.055,
119.038

■ 71, 44.357,
303.652

■ 72, 52.168,
304.160

Harmonies

Complementary

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



64, 27.488, 119.492



50, 29.219, 303.354

Rectangle

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



64, 27.488, 119.492



64, 27.488, 169.492



64, 27.488, 299.492



64, 27.488, 349.492

Sweetspot

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



64, 27.489, 119.494



83, 10.116, 120.749



56, 17.168, 47.959



44, 7.015, 120.668



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 27.489, 119.494



81, 41.131, 119.080



62, 31.221, 136.766



34, 5.196, 120.742



55, 66.845, 118.919



5, 8.186, 123.370

Inverse Universe

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



50, 29.219, 303.354



60, 44.472, 303.967



53, 31.690, 319.619



32, 5.293, 301.815



18, 85.433, 308.316



1, 8.090, 300.246

Previews

White Background



This preview shows how the CIELCh color 64, 27.488, 119.492 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 64, 27.488, 119.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

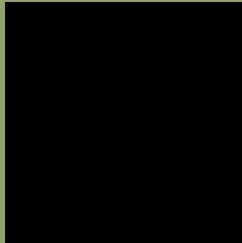
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 27.488, 119.492

Background



This preview shows how black text looks on a background with the CIELCh color 64, 27.488, 119.492.



This preview shows how white text looks on a background with the CIELCh color 64, 27.488, 119.492.

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


64, 27.488, 119.492

Protanopia

64, 25.885, 95.950

Deuteranopia

64, 23.956, 69.316



Tritanopia
64, 6.699, 290.903

Trichromacy



Original Color
64, 27.488, 119.492

Protanomaly
64, 25.865, 104.532

Deuteranomaly
64, 22.816, 89.307

Tritanomaly
64, 5.907, 128.811

Monochromacy



Original Color
64, 27.488, 119.492

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 10.306, 122.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 27.488, 119.492 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(147, 161, 112)` looks like.

```
.text, #text, p{  
    color:rgb(147, 161, 112)  
}
```

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(147, 161, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 161, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 27.488, 119.492 is called "border". The border property can be set on classes, ids or directly on the HTML element.

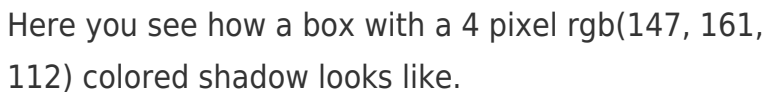
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 161, 112) }
```

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

```
.border{ border-color:rgb(147, 161, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 161, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 161, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 161, 112);  
box-shadow:4px 4px 4px 4px rgb(147, 161,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 27.488, 119.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 161, 112) }
```

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

```
.background{ background-color: rgb(147,  
161, 112) }
```

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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