

Converting Colors

CIELCh(49, 28.040, 129.116)

Have a look what the booklet for
CIELCh(49, 28.040, 129.116)
contains.

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Color

CIELCh(49, 28.063, 129.385)

Conversions

Conversions Part 1

Format	Color
Hex	637C4F
RGB	99, 124, 79
RGB Percent	39%, 49%, 31%
CMY	0.6122, 0.5142, 0.6906
CMYK	0.20, 0.00, 0.36, 0.51
HSL	93°, 22%, 40%
HSV	93°, 36%, 49%
XYZ	13.7325, 17.5941, 10.0479
YIQ	111.3950, -0.4550, -19.2950

Conversions

Conversions Part 2

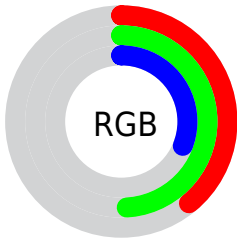
Format	Color
R_{YB}	79, 124, 104
Decimal	6519887
CIE _{Lab}	49.00, -17.81, 21.69
CIE _{LCh}	49, 28.063, 129.385
Yxy	17.5941, 0.3319, 0.4252
Android (android.graphics.Color)	4284709967 (0xFF637C4F)
YUV	111.3950, -15.9707, -10.8704
Hunter-Lab	41.9453, -14.9650, 15.1589

Details

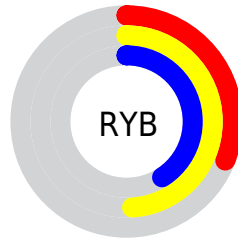
The CIELCh color $49, 28.063, 129.385$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $38, 29.289, 312.597$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 28.026, 129.295$, and $29, 27.806, 129.712$ is the 20% darker color. If you saturate the color by 10%, you get $48, 35.541, 128.932$, and if you desaturate by 10%, it is $50, 20.401, 129.854$.

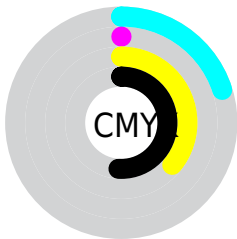
Distribution



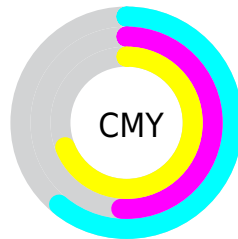
- Red (39%)
- Green (49%)
- Blue (31%)



- Red (31%)
- Yellow (49%)
- Blue (41%)



- Cyan (20%)
- Magenta (0%)
- Yellow (36%)
- Black (51%)



- Cyan (61%)
- Magenta (51%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 28.063, 129.385 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 49, 28.063, 129.385 by changing the saturation by 10% instead.

 49, 28.063,
129.385


 49, 28.063,
129.385


 100, 28.063,
129.385

 39, 28.063,
129.385

 69, 28.063,
129.385

 29, 28.063,
129.385

 79, 28.063,
129.385

 19, 28.063,
129.385

 89, 28.063,
129.385

 9, 28.063, 129.385

 99, 28.063,
129.385

 0, 28.063, 129.385

 49, 28.063,

 49, 28.063,

129.385

129.385

■ 48, 35.541,
128.932

■ 50, 20.401,
129.854

■ 48, 42.689,
128.533

■ 51, 12.651,
130.312

■ 47, 49.313,
128.252

■ 51, 4.886, 130.753

■ 47, 55.148,
128.183

■ 52, 2.845, 311.096

■ 46, 59.887,
128.437

■ 53, 10.504,
311.482

■ 46, 63.426,
129.037

■ 54, 18.065,
311.811

■ 46, 64.673,
129.215

■ 55, 25.511,
312.103

■ 57, 32.828,
312.362

■ 58, 40.009,
312.592

Harmonies

Complementary

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



49, 28.063, 129.385



38, 29.289, 312.597

Rectangle

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



49, 28.063, 129.385



49, 28.063, 179.385



49, 28.063, 309.385



49, 28.063, 359.385

Sweetspot

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



49, 28.064, 129.386



65, 10.537, 130.536



45, 17.476, 76.111



34, 7.137, 130.488



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 28.064, 129.386



62, 41.807, 128.988



48, 31.065, 143.238



25, 4.316, 130.633



46, 65.082, 129.229



89, 110.527, 130.069

Inverse Universe

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



38, 29.289, 312.597



45, 44.125, 313.006



40, 31.045, 327.747



24, 4.365, 311.344



19, 72.465, 313.611



42, 122.589, 313.021

Previews

White Background



This preview shows how the CIE LCh color 49, 28.063, 129.385 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 28.063, 129.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

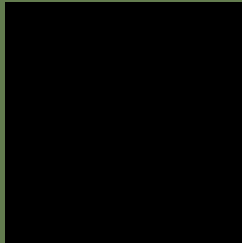
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.063, 129.385

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.063, 129.385.



This preview shows how white text looks on a background with the CIELCh color 49, 28.063, 129.385.

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

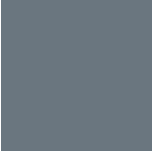
49, 28.063, 129.385

Protanopia

49, 23.636, 95.914

Deuteranopia

49, 21.176, 72.329



Tritanopia
49, 6.895, 249.354

Trichromacy



Original Color
49, 28.063, 129.385

Protanomaly
49, 24.239, 110.108

Deuteranomaly
49, 20.658, 97.383

Tritanomaly
49, 9.070, 158.141

Monochromacy



Original Color
49, 28.063, 129.385

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 10.691, 129.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.063, 129.385 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(99, 124, 79)` looks like.

```
.text, #text, p{  
    color:rgb(99, 124, 79)  
}
```

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(99, 124, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 124, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.063, 129.385 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(99, 124, 79) }
```

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

```
.border{ border-color:rgb(99, 124, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 124, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 124, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 124, 79);  
box-shadow:4px 4px 4px 4px rgb(99, 124,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.063, 129.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 124, 79) }
```

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

```
.background{ background-color: rgb(99, 124,  
79) }
```

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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