

Converting Colors

CIELCh(49, 22.529, 127.732)

Have a look what the booklet for
CIELCh(49, 22.529, 127.732)
contains.

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Color

CIELCh(49, 22.248, 127.761)

Conversions

Conversions Part 1

Format	Color
Hex	687A56
RGB	104, 122, 86
RGB Percent	41%, 48%, 34%
CMY	0.5914, 0.5208, 0.6620
CMYK	0.15, 0.00, 0.29, 0.52
HSL	90°, 17%, 41%
HSV	90°, 29%, 48%
XYZ	14.3998, 17.5941, 11.4787
YIQ	112.5140, 0.8280, -15.0120

Conversions

Conversions Part 2

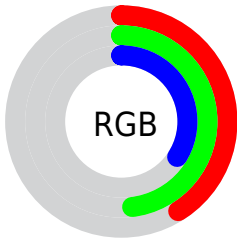
Format	Color
R _Y B	86, 122, 104
Decimal	6847062
CIE Lab	49.00, -13.62, 17.59
CIE LCh	49, 22.248, 127.761
Yxy	17.5941, 0.3312, 0.4047
Android (android.graphics.Color)	4285037142 (0xFF687A56)
YUV	112.5140, -13.0714, -7.4668
Hunter-Lab	41.9453, -12.1252, 13.1364

Details

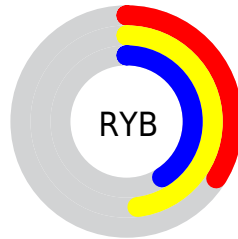
The CIELCh color $49, 22.248, 127.761$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 23.139, 310.431$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 21.903, 127.143$, and $29, 22.240, 127.712$ is the 20% darker color. If you saturate the color by 10%, you get $48, 29.659, 127.300$, and if you desaturate by 10%, it is $50, 14.723, 128.228$.

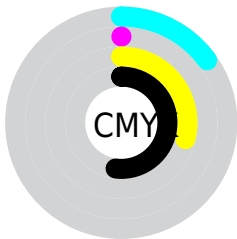
Distribution



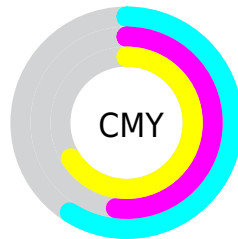
- Red (41%)
- Green (48%)
- Blue (34%)



- Red (34%)
- Yellow (48%)
- Blue (41%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (52%)



- Cyan (59%)
- Magenta (52%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.248, 127.761 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, 22.248, 127.761 by changing the saturation by 10% instead.


 49, 22.248,
127.761


 49, 22.248,
127.761


 100, 22.248,
127.761


 39, 22.248,
127.761

 69, 22.248,
127.761


 29, 22.248,
127.761

 79, 22.248,
127.761

 19, 22.248,
127.761

 89, 22.248,
127.761

 9, 22.248, 127.761

 99, 22.248,
127.761

 0, 22.248, 127.761

 49, 22.248,

 49, 22.248,

127.761

127.761

■ 48, 29.659,
127.300

■ 50, 14.723,
128.228

■ 48, 36.845,
126.869

■ 51, 7.154, 128.681

■ 47, 43.656,
126.519

■ 51, 0.405, 308.887

■ 52, 7.915, 309.469

■ 47, 49.882,
126.322

■ 53, 15.348,
309.829

■ 46, 55.246,
126.376

■ 54, 22.686,
310.153

■ 46, 59.452,
126.794

■ 55, 29.915,
310.444

■ 46, 62.756,
127.430

■ 56, 37.024,
310.705

■ 46, 62.933,
127.456

■ 57, 44.009,

310.937

Harmonies

Complementary

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



49, 22.248, 127.761



40, 23.139, 310.431

Rectangle

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



49, 22.248, 127.761



49, 22.248, 177.761



49, 22.248, 307.761



49, 22.248, 357.761

Sweetspot

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



49, 22.249, 127.763



64, 8.392, 128.693



45, 13.459, 71.918



33, 5.801, 128.639



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 22.249, 127.763



62, 32.541, 127.466



48, 25.855, 142.503



25, 4.259, 128.699



47, 63.974, 127.494



89, 108.599, 128.360

Inverse Universe

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



40, 23.139, 310.431



48, 34.160, 310.760



42, 25.856, 325.968



24, 4.314, 309.443



18, 73.307, 312.276



40, 124.094, 311.680

Previews

White Background



This preview shows how the CIELCh color 49, 22.248, 127.761 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 CIELCh color 49, 22.248, 127.761 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, 22.248, 127.761

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.248, 127.761.



This preview shows how white text looks on a background with the CIELCh color 49, 22.248, 127.761.

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, 22.248, 127.761

Protanopia

49, 19.059, 95.462

Deuteranopia

49, 18.002, 67.916



Tritanopia
49, 5.881, 263.572

Trichromacy



Original Color
49, 22.248, 127.761

Protanomaly
49, 19.144, 108.922

Deuteranomaly
49, 16.947, 92.753

Tritanomaly
49, 6.083, 156.366

Monochromacy



Original Color
49, 22.248, 127.761

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 8.043, 127.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.248, 127.761 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(104, 122, 86)` looks like.

```
.text, #text, p{  
    color:rgb(104, 122, 86)  
}
```

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(104, 122, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 122, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.248, 127.761 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(104, 122, 86) }
```

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

```
.border{ border-color:rgb(104, 122, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 122, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 122, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 122, 86);  
box-shadow:4px 4px 4px 4px rgb(104, 122,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.248, 127.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 122, 86) }
```

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

```
.background{ background-color: rgb(104,  
122, 86) }
```

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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