

Converting Colors

CIELCh(48, 12.054, 127.809)

Have a look what the booklet for
CIELCh(48, 12.054, 127.809)
contains.

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Color

CIELCh(48, 11.775, 127.440)

Conversions

Conversions Part 1

Format	Color
Hex	6C7562
RGB	108, 117, 98
RGB Percent	42%, 46%, 38%
CMY	0.5764, 0.5411, 0.6157
CMYK	0.08, 0.00, 0.16, 0.54
HSL	88°, 9%, 42%
HSV	88°, 16%, 46%
XYZ	14.7519, 16.7945, 14.0209
YIQ	112.1430, 0.7350, -7.8170

Conversions

Conversions Part 2

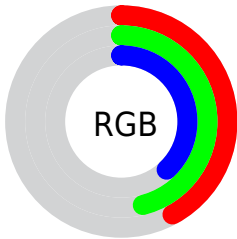
Format	Color
R_{YB}	98, 117, 107
Decimal	7107938
CIE Lab	48.00, -7.16, 9.35
CIE LCh	48, 11.775, 127.440
Yxy	16.7945, 0.3237, 0.3686
Android (android.graphics.Color)	4285298018 (0xFF6C7562)
YUV	112.1430, -6.9725, -3.6334
Hunter-Lab	40.9810, -7.4622, 8.4017

Details

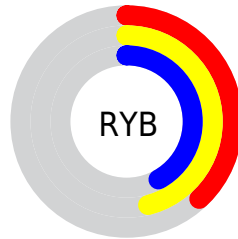
The CIELCh color $48, 11.775, 127.440$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 12.042, 308.873$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 11.659, 128.559$, and $28, 11.698, 129.109$ is the 20% darker color. If you saturate the color by 10%, you get $47, 19.010, 126.977$, and if you desaturate by 10%, it is $49, 4.516, 127.898$.

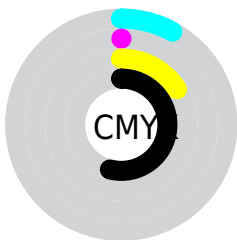
Distribution



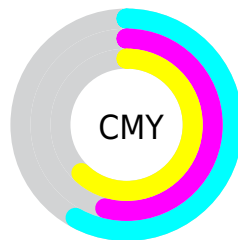
- Red (42%)
- Green (46%)
- Blue (38%)



- Red (38%)
- Yellow (46%)
- Blue (42%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (54%)




- Cyan (58%)
- Magenta (54%)
- Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 11.775, 127.440 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 48, 11.775, 127.440 by changing the saturation by 10% instead.

 48, 11.775,
127.440


 48, 11.775,
127.440


 100, 11.775,
127.440


 38, 11.775,
127.440

 68, 11.775,
127.440


 28, 11.775,
127.440

 78, 11.775,
127.440

 18, 11.775,
127.440


 88, 11.775,
127.440

 8, 11.775, 127.440

 98, 11.775,
127.440

 0, 11.775, 127.440

 48, 11.775,

 48, 11.775,

127.440

127.440

■ 47, 19.010,
126.977

■ 49, 4.516, 127.898

■ 47, 26.156,
126.509

■ 50, 2.725, 308.274

■ 50, 9.915, 308.681

■ 46, 33.124,
126.065

■ 51, 17.032,
309.039

■ 46, 39.788,
125.684

■ 52, 24.057,
309.364

■ 45, 45.967,
125.430

■ 53, 30.981,
309.656

■ 45, 51.421,
125.391

■ 54, 37.793,
309.920

■ 44, 55.862,
125.674

■ 55, 44.490,
310.156

■ 44, 59.224,
126.292

■ 56, 51.069,

■ 44, 60.463,
126.483

310.367

Harmonies

Complementary

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



48, 11.775, 127.440



43, 12.042, 308.873

Rectangle

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



48, 11.775, 127.440



48, 11.775, 177.440



48, 11.775, 307.440



48, 11.775, 357.440

Sweetspot

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



48, 11.776, 127.443



63, 4.506, 127.950



46, 6.819, 69.873



32, 3.057, 127.924



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 11.776, 127.443



61, 17.162, 127.292



47, 13.582, 142.650



24, 4.086, 127.771



46, 62.489, 126.561



89, 106.829, 127.458

Inverse Universe

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



43, 12.042, 308.873



54, 17.628, 309.034



44, 13.607, 324.351



23, 4.141, 308.529



17, 72.608, 311.718



39, 123.842, 311.108

Previews

White Background



This preview shows how the CIELCh color 48, 11.775, 127.440 looks on a white background.

Color Contrast Check

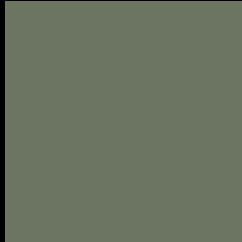
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 11.775, 127.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

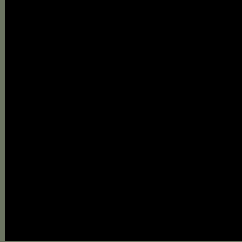
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 11.775, 127.440

Background



This preview shows how black text looks on a background with the CIELCh color 48, 11.775, 127.440.



This preview shows how white text looks on a background with the CIELCh color 48, 11.775, 127.440.

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


48, 11.775, 127.440

Protanopia

48, 10.860, 94.937

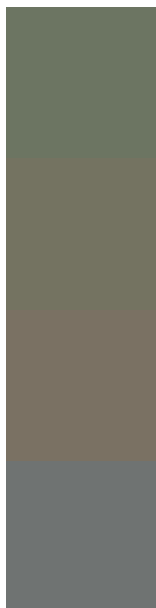
Deuteranopia

48, 10.501, 53.974



Tritanopia
48, 5.349, 282.493

Trichromacy



Original Color
48, 11.775, 127.440

Protanomaly
48, 10.546, 106.417

Deuteranomaly
48, 9.083, 83.877

Tritanomaly
48, 1.720, 179.411

Monochromacy



Original Color
48, 11.775, 127.440

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 4.309, 126.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 11.775, 127.440 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(108, 117, 98)` looks like.

```
.text, #text, p{  
    color:rgb(108, 117, 98)  
}
```

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(108, 117, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 117, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 11.775, 127.440 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(108, 117, 98) }
```

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

```
.border{ border-color:rgb(108, 117, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 117, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 117, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 117, 98);  
box-shadow:4px 4px 4px 4px rgb(108, 117,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 11.775, 127.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 117, 98) }
```

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

```
.background{ background-color: rgb(108,  
117, 98) }
```

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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