

Converting Colors

CIELCh(48, 19.529, 111.849)

Have a look what the booklet for
CIELCh(48, 19.529, 111.849)
contains.

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Color

CIELCh(48, 19.826, 112.609)

Conversions

Conversions Part 1

Format	Color
Hex	717553
RGB	113, 117, 83
RGB Percent	44%, 46%, 33%
CMY	0.5577, 0.5420, 0.6753
CMYK	0.03, 0.00, 0.29, 0.54
HSL	67°, 17%, 39%
HSV	67°, 29%, 46%
XYZ	14.6757, 16.7945, 10.6129
YIQ	111.9280, 8.5300, -11.4220

Conversions

Conversions Part 2

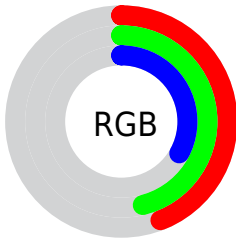
Format	Color
R_{YB}	83, 117, 87
Decimal	7435603
CIE Lab	48.00, -7.62, 18.30
CIE LCh	48, 19.826, 112.609
Yxy	16.7945, 0.3487, 0.3991
Android (android.graphics.Color)	4285625683 (0xFF717553)
YUV	111.9280, -14.2615, 0.9401
Hunter-Lab	40.9810, -7.7941, 13.3323

Details

The CIELCh color **48, 19.826, 112.609** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37, 21.153, 297.468**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 19.696, 112.867**, and **28, 19.616, 112.176** is the 20% darker color. If you saturate the color by 10%, you get **48, 26.436, 111.872**, and if you desaturate by 10%, it is **48, 13.075, 113.369**.

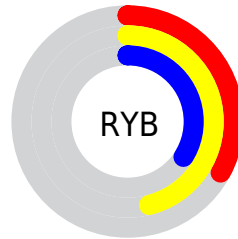
Distribution



Red (44%)

Green (46%)

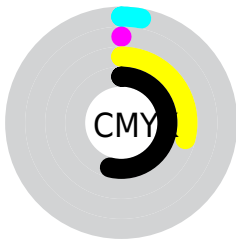
Blue (33%)



Red (33%)

Yellow (46%)

Blue (34%)

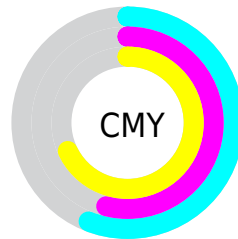


Cyan (3%)

Magenta (0%)

Yellow (29%)

Black (54%)



Cyan (56%)

Magenta (54%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 19.826, 112.609 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, 19.826, 112.609 by changing the saturation by 10% instead.

 48, 19.826,
112.609


 48, 19.826,
112.609


 100, 19.826,
112.609

 38, 19.826,
112.609

 68, 19.826,
112.609


 28, 19.826,
112.609

 78, 19.826,
112.609

 18, 19.826,
112.609


 88, 19.826,
112.609

 8, 19.826, 112.609

 98, 19.826,
112.609

 0, 19.826, 112.609

 48, 19.826,

 48, 19.826,

112.609

112.609

■ 48, 26.436,
111.872

■ 48, 13.075,
113.369

■ 47, 32.805,
111.172

■ 49, 6.244, 114.124

■ 47, 38.795,
110.548

■ 49, 0.623, 294.890

■ 50, 7.498, 295.590

■ 47, 44.199,
110.046

■ 50, 14.358,
296.281

■ 47, 48.752,
109.722

■ 51, 21.189,
296.939

■ 47, 52.160,
109.641

■ 51, 27.978,
297.564

■ 46, 54.693,
109.737

■ 52, 34.717,
298.153

■ 46, 54.927,
109.742

■ 53, 41.398,

Harmonies

Complementary

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



48, 19.826, 112.609



37, 21.153, 297.468

Rectangle

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



48, 19.826, 112.609



48, 19.826, 162.609



48, 19.826, 292.609



48, 19.826, 342.609

Sweetspot

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



48, 19.827, 112.612



63, 7.702, 114.114



40, 13.779, 31.175



32, 5.319, 114.026



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, 19.827, 112.612



62, 29.601, 112.105



47, 21.848, 131.780



24, 3.874, 114.129



49, 56.805, 109.775



93, 96.399, 110.146

Inverse Universe

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



37, 21.153, 297.468



45, 32.155, 298.264



38, 22.468, 314.242



22, 3.953, 295.515



13, 77.001, 306.878



32, 131.069, 306.622

Previews

White Background



This preview shows how the CIE LCh color 48, 19.826, 112.609 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 48, 19.826, 112.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

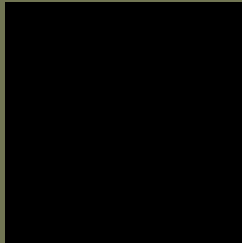
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

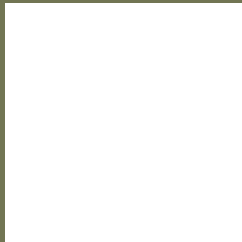
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 19.826, 112.609

Background



This preview shows how black text looks on a background with the CIELCh color 48, 19.826, 112.609.



This preview shows how white text looks on a background with the CIELCh color 48, 19.826, 112.609.

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, 19.826, 112.609

Protanopia

48, 19.680, 95.652

Deuteranopia

48, 18.724, 70.933



Tritanopia
48, 5.853, 314.942

Trichromacy



Original Color
48, 19.826, 112.609

Protanomaly
48, 19.299, 102.234

Deuteranomaly
48, 17.615, 86.997

Tritanomaly
48, 4.185, 98.162

Monochromacy



Original Color
48, 19.826, 112.609

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.688, 115.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 19.826, 112.609 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(113, 117, 83)` looks like.

```
.text, #text, p{  
    color:rgb(113, 117, 83)  
}
```

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(113, 117, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 117, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 19.826, 112.609 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(113, 117, 83) }
```

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

```
.border{ border-color:rgb(113, 117, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 117, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 117, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 117, 83);  
box-shadow:4px 4px 4px 4px rgb(113, 117,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 19.826, 112.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 117, 83) }
```

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

```
.background{ background-color: rgb(113,  
117, 83) }
```

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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