

Converting Colors

CIELCh(48, 9.925, 28.258)

Have a look what the booklet for
CIELCh(48, 9.925, 28.258) contains.

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Color

CIELCh(48, 9.953, 30.628)

Conversions

Conversions Part 1

Format	Color
Hex	846D6A
RGB	132, 109, 106
RGB Percent	52%, 43%, 42%
CMY	0.4835, 0.5736, 0.5854
CMYK	0.00, 0.17, 0.20, 0.48
HSL	7°, 11%, 47%
HSV	7°, 20%, 52%
XYZ	17.4960, 16.7945, 15.8794
YIQ	115.5350, 14.6710, 3.9430

Conversions

Conversions Part 2

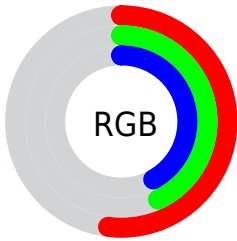
Format	Color
R _{YB}	132, 109, 106
Decimal	8678762
CIE Lab	48.00, 8.56, 5.07
CIE LCh	48, 9.953, 30.628
Yxy	16.7945, 0.3487, 0.3348
Android (android.graphics.Color)	4286868842 (0xFF846D6A)
YUV	115.5350, -4.7008, 14.4398
Hunter-Lab	40.9810, 4.4900, 5.7129

Details

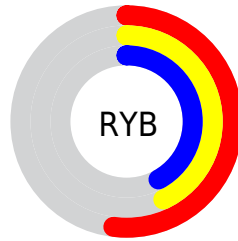
The CIELCh color $48, 9.953, 30.628$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 8.750, 210.116$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 9.700, 33.185$, and $28, 10.073, 28.402$ is the 20% darker color. If you saturate the color by 10%, you get $45, 15.609, 31.122$, and if you desaturate by 10%, it is $52, 4.715, 30.283$.

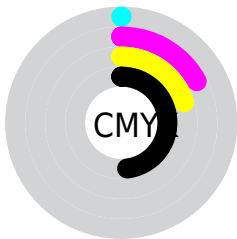
Distribution



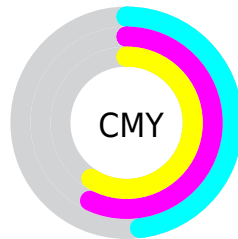
- Red (52%)
- Green (43%)
- Blue (42%)



- Red (52%)
- Yellow (43%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (20%)
- Black (48%)



- Cyan (48%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.953, 30.628 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, 9.953, 30.628 by changing the saturation by 10% instead.

 48, 9.953, 30.628  48, 9.953, 30.628

 100, 9.953, 30.628  38, 9.953, 30.628

 68, 9.953, 30.628  28, 9.953, 30.628

 78, 9.953, 30.628  18, 9.953, 30.628

 88, 9.953, 30.628  8, 9.953, 30.628

 98, 9.953, 30.628  0, 9.953, 30.628

 48, 9.953, 30.628  48, 9.953, 30.628

 45, 15.609, 31.122  52, 4.715, 30.283

 41, 21.696, 31.807  55, 0.126, 213.415

 38, 28.194, 32.750  59, 4.606, 210.180

■ 35, 35.043, 34.005

■ 62, 8.761, 210.117

■ 33, 42.121, 35.602

■ 66, 12.626,
210.133

■ 30, 49.199, 37.493

■ 70, 16.237,
210.196

■ 29, 55.814, 39.425

■ 27, 61.027, 40.849

■ 73, 19.623,
210.290

■ 27, 61.156, 40.895

■ 77, 22.812,
210.406

■ 81, 25.829,
210.537

Harmonies

Complementary

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



48, 9.953, 30.628



52, 8.750, 210.116

Rectangle

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



48, 9.953, 30.628



48, 9.953, 80.628



48, 9.953, 210.628



48, 9.953, 260.628

Sweetspot

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



48, 9.952, 30.637



67, 3.545, 30.151



48, 17.205, 328.364



35, 2.375, 30.173



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 9.952, 30.637



59, 15.266, 30.849



51, 10.064, 82.959



26, 2.742, 30.263



27, 60.501, 40.835



0, 0.635, 30.179

Inverse Universe

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



52, 8.750, 210.116



66, 12.962, 210.139



49, 9.860, 268.183



27, 2.591, 210.185



44, 26.856, 216.662



0, 0.635, 210.198

Previews

White Background



This preview shows how the CIELCh color 48, 9.953, 30.628 looks on a white background.

Color Contrast Check

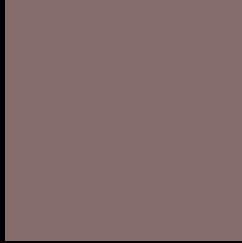
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.953, 30.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

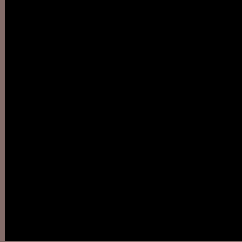
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 9.953, 30.628

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.953, 30.628.

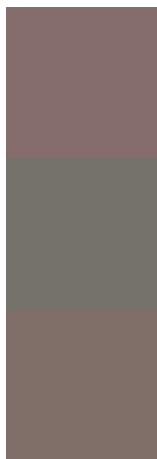


This preview shows how white text looks on a background with the CIELCh color 48, 9.953, 30.628.

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, 9.953, 30.628

Protanopia

48, 3.725, 90.178

Deuteranopia

48, 8.206, 41.058



Tritanopia
48, 11.934, 354.693

Trichromacy



Original Color
48, 9.953, 30.628

Protanomaly
48, 5.113, 54.712

Deuteranomaly
48, 8.615, 40.066

Tritanomaly
48, 10.688, 8.088

Monochromacy



Original Color
48, 9.953, 30.628

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 3.343, 29.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.953, 30.628 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(132, 109, 106)` looks like.

```
.text, #text, p{  
    color:rgb(132, 109, 106)  
}
```

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(132, 109, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 109, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.953, 30.628 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(132, 109, 106) }
```

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

```
.border{ border-color:rgb(132, 109, 106) }
```

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

Here you see how a box with a 4 pixel rgb(132, 109, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 109, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 109, 106);  
box-shadow:4px 4px 4px 4px rgb(132, 109,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.953, 30.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 109, 106) }
```

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

```
.background{ background-color: rgb(132,  
109, 106) }
```

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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