

Converting Colors

CIELCh(48, 22.943, 3.382)

Have a look what the booklet for
CIELCh(48, 22.943, 3.382) contains.

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Color

CIELCh(48, 22.978, 3.413)

Conversions

Conversions Part 1

Format	Color
Hex	976370
RGB	151, 99, 112
RGB Percent	59%, 39%, 44%
CMY	0.4062, 0.6102, 0.5593
CMYK	0.00, 0.34, 0.26, 0.41
HSL	345°, 21%, 49%
HSV	345°, 34%, 59%
XYZ	20.2846, 16.7945, 17.6146
YIQ	116.0300, 26.8190, 15.0670

Conversions

Conversions Part 2

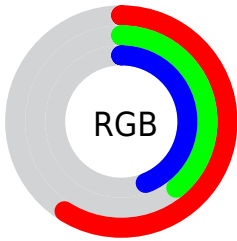
Format	Color
R_{YB}	151, 99, 112
Decimal	9921392
CIE Lab	48.00, 22.94, 1.37
CIE LCh	48, 22.978, 3.413
Yxy	16.7945, 0.3709, 0.3071
Android (android.graphics.Color)	4288111472 (0xFF976370)
YUV	116.0300, -1.9868, 30.6687
Hunter-Lab	40.9810, 16.6364, 3.2025

Details

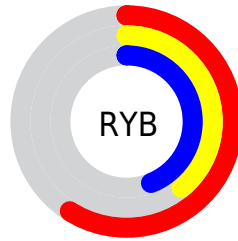
The CIELCh color **48, 22.978, 3.413** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **59, 20.385, 176.241**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 23.109, 2.475**, and **28, 23.273, 3.894** is the 20% darker color. If you saturate the color by 10%, you get **44, 30.012, 5.075**, and if you desaturate by 10%, it is **52, 16.011, 2.040**.

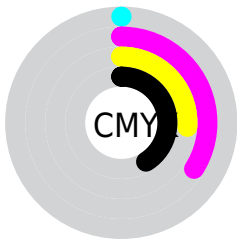
Distribution



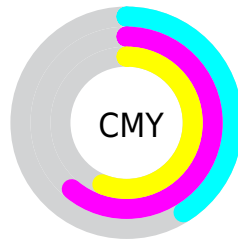
- Red (59%)
- Green (39%)
- Blue (44%)



- Red (59%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (34%)
- Yellow (26%)
- Black (41%)



- Cyan (41%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 22.978, 3.413 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, 22.978, 3.413 by changing the saturation by 10% instead.

 48, 22.978, 3.413  48, 22.978, 3.413

 100, 22.978, 3.413  38, 22.978, 3.413

 68, 22.978, 3.413  28, 22.978, 3.413

 78, 22.978, 3.413  18, 22.978, 3.413

 88, 22.978, 3.413  8, 22.978, 3.413

 98, 22.978, 3.413  0, 22.978, 3.413

 48, 22.978, 3.413  48, 22.978, 3.413

 44, 30.012, 5.075  52, 16.011, 2.040

 41, 36.925, 7.116  56, 9.244, 0.869

 37, 43.456, 9.669  61, 2.745, 359.777

35, 49.321, 12.886

65, 3.455, 179.178

33, 54.306, 16.905

70, 9.352, 178.345

32, 58.390, 21.761

74, 14.958,
177.650

31, 60.651, 24.516

79, 20.289,
177.032

83, 25.369,
176.474

88, 30.222,
175.966

Harmonies

Complementary

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



48, 22.978, 3.413



59, 20.385, 176.241

Rectangle

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



48, 22.978, 3.413



48, 22.978, 53.413



48, 22.978, 183.413



48, 22.978, 233.413

Sweetspot

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



48, 22.976, 3.416



74, 7.881, 0.421



48, 33.809, 318.740



38, 5.436, 0.559



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 22.976, 3.416



58, 34.201, 4.620



51, 18.953, 44.327



30, 3.627, 0.319



29, 57.193, 24.091



1, 3.834, 359.833

Inverse Universe

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



48, 22.976, 3.416



58, 34.201, 4.620



55, 15.152, 228.023



30, 3.627, 0.319



29, 57.193, 24.091



1, 3.834, 359.833

Previews

White Background



This preview shows how the CIELCh color 48, 22.978, 3.413 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, 22.978, 3.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

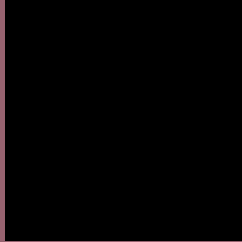
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 22.978, 3.413

Background



This preview shows how black text looks on a background with the CIELCh color 48, 22.978, 3.413.



This preview shows how white text looks on a background with the CIELCh color 48, 22.978, 3.413.

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, 22.978, 3.413

Protanopia

48, 4.127, 290.739

Deuteranopia

48, 7.101, 20.204



Tritanopia
48, 22.120, 10.307

Trichromacy



Original Color
48, 22.978, 3.413

Protanomaly
48, 9.394, 346.314

Deuteranomaly
48, 12.903, 7.958

Tritanomaly
48, 22.242, 7.331

Monochromacy



Original Color
48, 22.978, 3.413

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 8.364, 359.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 22.978, 3.413 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(151, 99, 112)` looks like.

```
.text, #text, p{  
    color:rgb(151, 99, 112)  
}
```

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(151, 99, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 99, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 22.978, 3.413 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(151, 99, 112) }
```

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

```
.border{ border-color:rgb(151, 99, 112) }
```

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

Here you see how a box with a 4 pixel rgb(151, 99, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 99, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 99, 112);  
box-shadow:4px 4px 4px 4px rgb(151, 99,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 22.978, 3.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 99, 112) }
```

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

```
.background{ background-color: rgb(151, 99,  
112) }
```

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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