

Converting Colors

CIELCh(48, 19.763, 357.660)

Have a look what the booklet for
CIELCh(48, 19.763, 357.660)
contains.

CIELCh(48, 19.522, 357.327)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 19.522, 357.327)

Conversions

Conversions Part 1

Format	Color
Hex	916674
RGB	145, 102, 116
RGB Percent	57%, 40%, 45%
CMY	0.4312, 0.5998, 0.5450
CMYK	0.00, 0.30, 0.20, 0.43
HSL	340°, 17%, 48%
HSV	340°, 30%, 57%
XYZ	19.5928, 16.7945, 18.7427
YIQ	116.4530, 21.1340, 13.4700

Conversions

Conversions Part 2

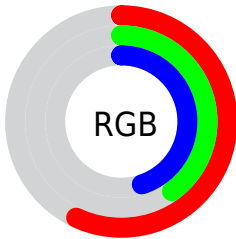
Format	Color
R_{YB}	145, 102, 116
Decimal	9528948
CIE Lab	48.00, 19.50, -0.91
CIE LCh	48, 19.522, 357.327
Yxy	16.7945, 0.3554, 0.3046
Android (android.graphics.Color)	4287719028 (0xFF916674)
YUV	116.4530, -0.2233, 25.0357
Hunter-Lab	40.9810, 13.6229, 1.5704

Details

The CIELCh color $48, 19.522, 357.327$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $57, 18.069, 171.384$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 19.899, 357.070$, and $28, 19.994, 357.199$ is the 20% darker color. If you saturate the color by 10%, you get $44, 26.349, 358.757$, and if you desaturate by 10%, it is $52, 12.751, 356.114$.

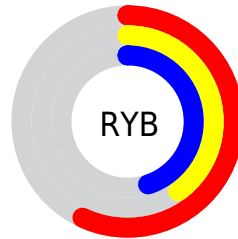
Distribution



Red (57%)

Green (40%)

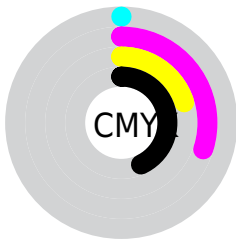
Blue (45%)



Red (57%)

Yellow (40%)

Blue (45%)

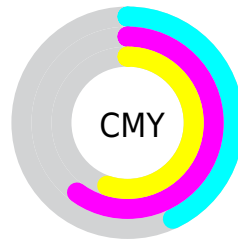


Cyan (0%)

Magenta (30%)

Yellow (20%)

Black (43%)



Cyan (43%)


Magenta (60%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 19.522, 357.327 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, 19.522, 357.327 by changing the saturation by 10% instead.


 48, 19.522,
357.327


 48, 19.522,
357.327


 100, 19.522,
357.327


 38, 19.522,
357.327

 68, 19.522,
357.327


 28, 19.522,
357.327

 78, 19.522,
357.327

 18, 19.522,
357.327

 88, 19.522,
357.327

 8, 19.522, 357.327

 98, 19.522,
357.327

 0, 19.522, 357.327

 48, 19.522,

 48, 19.522,

357.327

357.327

44, 26.349,
358.757

52, 12.751,
356.114

41, 33.063, 0.472

56, 6.151, 355.041

37, 39.416, 2.577

60, 0.217, 175.894

35, 45.115, 5.207

65, 6.326, 173.434

33, 49.877, 8.521

69, 12.171,
172.677

31, 53.547, 12.669

73, 17.759,
172.007

30, 56.543, 17.416

78, 23.106,
171.400

30, 56.657, 17.577

82, 28.229,
170.844

86, 33.148,

Harmonies

Complementary

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



48, 19.522, 357.327



57, 18.069, 171.384

Rectangle

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



48, 19.522, 357.327



48, 19.522, 47.327



48, 19.522, 177.327



48, 19.522, 227.327

Sweetspot

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



48, 19.520, 357.330



72, 7.107, 354.993



47, 27.628, 315.904



37, 4.935, 355.130



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



48, 19.520, 357.330



58, 29.593, 358.318



49, 16.231, 35.907



28, 3.552, 354.991



28, 53.738, 17.178



0, 2.359, 354.212

Inverse Universe

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



48, 19.520, 357.330



58, 29.593, 358.318



55, 13.260, 216.470



28, 3.552, 354.991



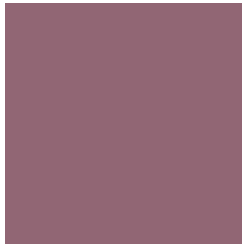
28, 53.738, 17.178



0, 2.359, 354.212

Previews

White Background



This preview shows how the CIELCh color 48, 19.522, 357.327 looks on a white background.

Color Contrast Check

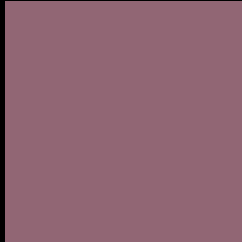
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.522, 357.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

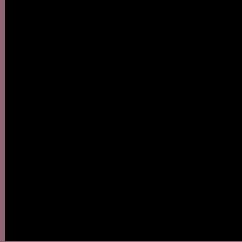
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 19.522, 357.327

Background



This preview shows how black text looks on a background with the CIELCh color 48, 19.522, 357.327.



This preview shows how white text looks on a background with the CIELCh color 48, 19.522, 357.327.

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, 19.522, 357.327

Protanopia
48, 5.305, 290.892

Deuteranopia
48, 6.031, 3.131



Tritanopia
48, 17.833, 6.627

Trichromacy



Original Color
48, 19.522, 357.327

Protanomaly
48, 8.475, 336.453

Deuteranomaly
48, 10.725, 358.275

Tritanomaly
48, 18.061, 2.994

Monochromacy



Original Color
48, 19.522, 357.327

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 7.195, 356.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 19.522, 357.327 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(145, 102, 116)` looks like.

```
.text, #text, p{  
    color:rgb(145, 102, 116)  
}
```

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(145, 102, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 102, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 19.522, 357.327 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(145, 102, 116) }
```

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

```
.border{ border-color:rgb(145, 102, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 102, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 102, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 102, 116);  
box-shadow:4px 4px 4px 4px rgb(145, 102,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 19.522, 357.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 102, 116) }
```

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

```
.background{ background-color: rgb(145,  
102, 116) }
```

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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